Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

CT DEEP Inspection
Town of Fairfield/DPW
Construction Material Processing Facility/
Julian Yard
1 Richard White Way
Fairfield, CT

General Information:

On December 16, 2016, we received a referral from the CT DEEP Emergency Response Unit (ERU) regarding a pile of demolition debris that was dumped on property owned by the Town of Fairfield (Attachment 01). Ken LeClerc of ERU met with the complainant and Fairfield Town Attorney on at the site, which is operated by Julian Enterprises.

According to Mr. LeClerc, there is demo debris in an area where samples showed lead and PCB contamination. Cindy Knight, the LEP from Logical Environmental Solutions (LES), obtained the samples for the Town of Fairfield DPW.

Mr. LeClerc spoke to the operator from Julian Enterprises and requested manifests and sampling data for the materials that were dumped. The operator stated the information is at corporate headquarters. Mr. LeClerc requested the pile be covered in poly and no equipment is to leave the site until it is tested and proven to be free of contamination.

Lori Saliby requested that I inspect the site. I requested an address and a copy of the spill report (Attachment 02). I spoke to the complainant, Brian Carey, who is the Conservation Director for the Town of Fairfield DPW.

Mr. Carey stated he is also an LEP and began working for the Town of Fairfield in 2015. According to Mr. Carey, on November 29, 2016, a sample was taken by LES from a demo debris pile which was witnessed being dumped by one of Julien Enterprises trucks.

Julian Enterprises was under contract to operate a construction material processing yard for the Town of Fairfield. The sample indicated there was lead and PCB's at 8ppm. The pile consisted of soil, concrete, and mastic. Julian Enterprises locked the records in the scale house trailer and reached the end of their contract the next day. Julian Enterprises refused to dispose of the pile and have contacted their attorney.

The site is a former landfill and is located in a tidal marsh. The site is fenced-in and has a locked gate when not in use. Mr. Carey stated Julian's equipment is still on-site and the yard will now be managed by the town DPW.

According to Mr. Carey, the area was historically a solid waste landfill and has been closed for decades. The Town of Fairfield had Julien Enterprises under contract for the last three years to operate the yard. The yard is used to import mixed materials from other sites, such as fill, concrete, soil, and millings, and to crush them for reuse to other contractors. The Town of Fairfield also brings in road construction material to this same location.

Mr. Carey stated that back in September 2016, the Town of Fairfield had issues with Julian Enterprises and the situation became hostile and the contract was cancelled, ending in late December 2016. There were numerous complaints from nearby residents regarding dust, noise, and the height of the pile. Julian Enterprises was contracted to reduce the pile and instead they brought in material and raised the height of the pile by three-quarters more than the original pile.

Mr. Carey stated that Cindy Knight and Wayne Lineberry of LES were on-site collecting random samples in late November and witnessed one of Julian Enterprises trucks dump a load of material in a location that was not their usual designated area. They walked over and sampled this pile. The sample came back PCB and that's when Mr. Carey reported the dumping to the CT DEEP.

I left a voice mail for Mr. Carey the first week in January 2017, and asked for an update. On January 11, 2017, Mr. Carey emailed me with sample results for the decontamination of the machinery owned by Julian Enterprises. All of the results were non-detect, except for one that was under 10ug/100cm2. I gave them permission to release the equipment off-site (Attachment 03).

I requested a copy of the sampling event from November 2016 performed by LES (Attachment 04). The report had a detailed description of the dumping of the contaminated load, indicating it was from one of Julian Enterprises trucks. Other sample results were also provided. I made arrangements with Mr. Carey to meet at the site to observe the condition of the stockpile.

Inspection Summary:

On January 18, 2017, I met Brian Carey at the gate of the reclamation yard. He signed the TSCA forms and received a copy of each. He invited Stanton Lesser, the Town Attorney, and representatives from Julian Enterprises. I was met by Christian Barnaby, the Director of Julian Enterprises, Mark Zimmerman, their attorney, and Michael Granata, their LEP from GO Environmental.

Mr. Carey provide me with a partial copy of their contract with Julian Enterprises (Document 01). The contract states the prohibition of bringing in hazardous or contaminated material and that the Operator will be responsible for the removal and clean-up of any environmental issues caused by the Operator.

Mr. Carey stated they have a subsequent surficial sample at 13ppm PCB. I asked Julian Enterprises the source of the load and Mr. Barnaby stated the load was from a Town of Fairfield truck and not theirs. I stated I had a copy of an LEP report where it was documented it was dumped from a Julian truck. He stated the LEP was not being truthful.

Mr. Carey stated there are cameras in the scale house that record in-coming trucks. There are tickets that are issued per load and the trailer has copies of these records. The trailer is locked and the Town of Fairfield will not let Julian take their computer from the trailer.

We then drove to the top of a very steep pile of material. The dumped pile was covered in poly and a smaller pile of material from road construction was located in the front of this pile (Photos 01-06). I told Mr. Carey to not bring any new material to this area until it was remediated. The pile did not have any odors and had a mix of soil and concrete.

Mr. Carey and Mr. Stanton agreed with Mr. Granata that GO Environmental was going to characterize the stockpile and the sampling would be witnessed by Cindy Knight of LES. LES would not be taking split samples. I stated they need to do this immediately and that I may issue an NOV to either party.

On March 2, 2017, I spoke Cindy Knight who contacted me and stated they had results for nine pit samples of the pile. The highest sample was 15ppm. The size of the contamination was more widespread than anticipated and went from a 10x10ft. area to a 40x50ft. area. She stated the Town of Fairfield and Julian Enterprises agreed to split the costs of the removal and disposal. I stated I expected the pile to be gone by now.

On March 3, 2017, I emailed Mr. Carey and stated we needed a schedule for the removal of the stockpile. Mr. Carey emailed me and sent me a copy of the February sampling results and stated they are now working on a RAP. I stated that if we do not receive a schedule in two weeks I will issue an NOV to the Town of Fairfield. On March 6, 2017. Mr. Carey sent me a schedule for the proposed work (Attachment 05).

Photos: 01-06 Stockpile

Documents: 01 Copy of Contract

Samples: none taken

Attachments: 01 ERU Correspondence
02 ERU Spill Report
03 Sample Results for Equipment
04 LES Report
05 Schedule and Sample results from GO Environmental
06 TSCA Forms
07 ICIS
08 Multimedia Checklist

Janet Kwiatkowski
Environmental Analyst
03/20/2017

Doc. 01

COPY

Town of Fairfield

Sullivan Independence Hall
725 Old Post Road

Fairfield, Connecticut 06824
Purchasing Department

(203) 256-3060
FAX (203) 256-3080

RFP #2013-73
Construction Material Processing Facility
Department of Public Works (DPW)

TOWN OF FAIRFIELD
PURCHASING AUTHORITY
725 OLD POST ROAD
INDEPENDENCE HALL
FAIRFIELD, CT 06824.

Date Submitted May 2, 2013.

SEALED BIDS are subject to the standard instructions set forth on the attached sheets. Any modifications must be specifically accepted by the Town of Fairfield, Purchasing Authority.

First Selectman

Director of Purchasing

2 April 2013
Date

Bidder:
JULIAN DEVELOPMENT LLC
Doing Business As (Trade Name)

615 Plains Road
Address

Milford, CT 06461
Town / State / Zip

Mr. Andrew C. Julian, Member
Mr. / Ms. Title

Signature

203-416-5308 203-916-0504
Telephone Fax

jbjulian@julianenterprises.com
E-mail

Sealed bids will be received by the Purchasing Authority at the office of the Director of Purchasing, First Floor, Independence Hall, 725 Old Post Road, Fairfield, Connecticut 06824, up to:

2:00pm, Thursday, 2nd May, 2013

To provide labor, materials, equipment, and all else necessary, for the operation of the construction material processing facility located at One Rod Highway, Fairfield, CT, per the attached specifications.

NOTES:

1. Bidders are to complete all requested data in the upper right corner of this page and must return this page and the Proposal page with their bid.
2. No bid shall be accepted from, or contracts awarded to, any person/company who is in arrears to the Town of Fairfield upon debt, or contract or who has been within the prior five (5) years, a defaulter as surety or otherwise upon obligations to the Town of Fairfield.
3. Bid proposals are to be submitted in a sealed envelope and clearly marked "**RFP #2013-73**" on the outside of the envelope, including all outer packaging, such as, DHL, FedEx, UPS, etc.
4. Bid proposals are not to be submitted with plastic binders or covers, nor may the bid proposal contain any plastic inserts or pages.
5. **A mandatory pre-bid meeting will be held 11:00am, 18 April, Sullivan Independence Hall.**

Bid page 3 of 13
Format of Proposal

1) Submittal: See Attached

2) General description of company: See Attached

3) Resumes: See Attached

4) Details of any additional services: None

5) Resources and/or assistance required from the Town: At contractors sole cost and expense the town will cooperate with contractor if contractor desires to bring utilities into the site.

6) Disciplinary action taken or pending agianst company during past 3 years: NONE

7) Company engaged in recent peer review: NO

8) Additional factors or strengths: See Attached

9) Proposal reamins firm for 180 days: OK

10) Forms provided: Yes See Attached

11) Full details of exceptions: NONE

12) References: See Attahed

Bid page 3 of 13
Required Information

1) Operator: Julian Development, LLC
615 Plains Road
Milford, CT 06461
Tax ID# 06-1576922

2) Company History: See Attached

3) Date of Organization: 01/01/2001
Coporation: Limited Liability Company
Where Incorporated: Monroe, Connecticut
Ownership: Andrew C. Julian / Jason B. Julian

4) Selectman, officer, employee or person has any direct or inderect interest in the bidder / company: NONE

Town of Fairfield

Sullivan Independence Hall
725 Old Post Road

Fairfield, Connecticut 06824
Purchasing Department

(203) 256-3060
FAX (203) 256-3080

RFP #2013-73
Construction Material Processing Facility
Department of Public Works (DPW)

TOWN OF FAIRFIELD
PURCHASING AUTHORITY
725 OLD POST ROAD
INDEPENDENCE HALL
FAIRFIELD, CT 06824.

Date Submitted _____, 2013.

SEALED BIDS are subject to the standard instructions set forth on the attached sheets. Any modifications must be specifically accepted by the Town of Fairfield, Purchasing Authority.

First Selectman

Director of Purchasing

2 April 2013
Date

Bidder:

_____
Doing Business As (Trade Name)

_____
Address

_____
Town / State / Zip

_____
Mr. / Ms. Title

_____
Signature

_____
Telephone Fax

_____
E-mail

Sealed bids will be received by the Purchasing Authority at the office of the Director of Purchasing, First Floor, Independence Hall, 725 Old Post Road, Fairfield, Connecticut 06824, up to:

2:00pm, Thursday, 2nd May, 2013

To provide labor, materials, equipment, and all else necessary, for the operation of the construction material processing facility located at One Rod Highway, Fairfield, CT, per the attached specifications.

NOTES:

1. Bidders are to complete all requested data in the upper right corner of this page and must return this page and the Proposal page with their bid.
2. No bid shall be accepted from, or contracts awarded to, any person/company who is in arrears to the Town of Fairfield upon debt, or contract or who has been within the prior five (5) years, a defaulter as surety or otherwise upon obligations to the Town of Fairfield.
3. Bid proposals are to be submitted in a sealed envelope and clearly marked "**RFP #2013-73**" on the outside of the envelope, including all outer packaging, such as, DHL, FedEx, UPS, etc.
4. Bid proposals are not to be submitted with plastic binders or covers, nor may the bid proposal contain any plastic inserts or pages.
5. **A mandatory pre-bid meeting will be held 11:00am, 18 April, Sullivan Independence Hall.**

REQUEST FOR PROPOSAL

The Town of Fairfield (Town) on behalf of its Department of Public Works (DPW) is seeking competitive proposals from qualified contractors for the operation of the construction material processing facility located within the operations complex, situated on One Rod Highway, Fairfield, Connecticut.

The DPW has operated the facility as a public/private partnership for several years and is now requesting qualifications and proposals from qualified contractors (operator) to continue working with the Town, and improve upon the current model.

Upon award of contract the operator shall have the option to market the material (final product) under his/her company or trade name. However, the material shall not be represented as endorsed by the Town.

The operator shall be responsible for an annual fee payable to the Town for the operation of the facility. The Town shall purchase the material (stone/gravel/aggregate, topsoil, general fill, processed asphalt millings) from the operator at the stated unit prices as submitted in the proposal.

REQUESTS FOR INFORMATION (RFI) / ADDENDA

Direct requests in writing to: Town of Fairfield, Purchasing Department
Attention: Phillip Ryan, Buyer
725 Old Post Road, Fairfield, CT 06824
PRyan@town.fairfield.ct.us | Fax: 203-256-3080

NOTE: Written requests for information will not be accepted after **12:00pm** on **Friday, 19th April, 2013.**

Response will be in the form of an addendum that will be posted approximately **Thursday, 25th April**, to the Town of Fairfield, Purchasing Department, website which is **fairfieldct.org/purchasing.htm**

It is the responsibility of each bidder to retrieve addenda from the website. Any contact about this bid between a Bidder and any other Town official and/or department manager and/or Town of Fairfield employee, other than as set forth above, may be grounds for disqualification of that Bidder. No questions or clarifications shall be answered by phone, in person or in any other manner than specified above. Addenda will not be mailed, e-mailed or faxed out.

MANDATORY PRE-BID MEETING

A mandatory pre-bid meeting and walk-through of the facility will be held at **11:00am** on **Thursday, 18th April** which shall commence in the First Floor Conference Room, Sullivan Independence Hall, 725 Old Post Road, Fairfield, Connecticut, to be followed by a tour of the facility at One Rod Highway. **Requests for additional tours or meetings will not be accommodated.**

BID SECURITY

A five (5) percent bid bond or equal security as stated per the Terms and Conditions must be submitted with the bid proposal, based on the amount of **$50,000.00**. Any bid not submitted with such security will be excluded. No exceptions.

TERM OF CONTRACT

The contract shall be for an initial three (3) year term with an agreed upon cost of living allowance (COLA) applied every (12) months. A refundable surety deposit is required to accompany all proposals. Within (90) days of the expiration of the term, the contract may be renewed upon mutual agreement of both parties for two (2) additional years.

SCHEDULE OF EVENTS

Pre-bid meeting and walkthrough:	11:00am, 18th April
Request for Information due no later than:	12:00pm, 19th April
Final addenda posted to website approximately:	25th April (close of business)
Proposals due no later than:	2:00pm, 2nd May
Candidate interviews to commence:	7th May*
Award of contract:	14th May*
Operation of facility to commence:	24th May*

*to be confirmed.

FORMAT OF PROPOSAL

1. Submit one (1) printed and signed original proposal marked **'original'** and one (1) printed copy, including one (1) electronic copy in 'read only' format.

2. Provide a general description of your company; type of organization (i.e. corporation, joint venture, partnership); number of years in business; size of company; personnel qualifications and experience.

3. Include resumes and relevant experience of all personnel to be assigned to the operation of the facility, including any subcontractors. Note all subcontractors are subject to approval by the Town.

4. Submit details of any additional services to be provided, identify estimated timelines and deliverables.

5. Identify any resources and/or assistance that you will require from the Town of Fairfield.

6. Provide information on the circumstances and status of any disciplinary action taken or pending against the company during the past three years with State regulatory bodies or professional organizations.

7. If your company has engaged in a recent peer review, please include a copy.

8. In addition to the above requirements, respondents may include additional factors or strengths that would assist in assessing their company's ability to meet the Town's needs. This information need only be one page.

9. All proposals shall remain firm for a period not less than (180) days from the proposal due date, unless such period is extended in writing, agreeable to both parties.

10. Bidders must use the forms prescribed in the document in order to provide comparable data for objective review and comparison of all proposals received.

11. Bidders are required to provide full details of any exceptions to the attached specifications. The Town of Fairfield retains the right to accept or reject any or all exception(s).

12. Provide references for equal scope operations performed during the past five (5) years.

REQUIRED INFORMATION

Responses are required to the following in a clear and comprehensive manner. Failure to do so may result in disqualification.

1. Provide the full name, tax identification number, and main office address of the company (operator) who will enter into an agreement with the Town.
2. Describe the business history of the company.
3. Identify when the business was organized, and if a corporation, where incorporated and number of years engaged in providing full service contract operations under that name. Provide a comprehensive description of the company's corporate ownership and/or operating name.
4. State whether any selectman or other officer, employee, or person who is payable in whole or in part from the Town, currently has any direct or indirect personal interest in the bidder/company. If so, describe the circumstances.
5. State whether the bidder/company or any of its employees or officers has been named as a defendant in any litigation brought as a result of any contract operations for operations and maintenance. If so, name the owner and describe the circumstances, including the outcome of the litigation.
6. State whether the bidder/company has ever been terminated or replaced on a project other than those contracts that have been terminated due to completion. If so, name the owner and describe the circumstances.
7. State whether the bidder/company, its owners, officers or employees have ever been subject to a criminal investigation by the federal or state government, by any municipality, or any other government agency.

QUALIFICATIONS
The proposal should include the following information:

- Size of company;
- Geographical location;
- Number of staff to be employed at the facility (full-time and part-time);
- References for operated facilities of similar size and scope.

NOTE: If the Bidder is a joint venture, the qualifications of each company comprising the joint venture should be separately identified and the company that is to serve as the principal should be identified. Complete information on qualifications and experience should be provided for all joint venture partners and/or subcontractors.

EVALUATION CRITERIA
All candidates will be evaluated based on the following criteria:

a) Financial stability
b) Company experience
c) Operating plan
d) Assigned personnel
e) Fee proposal and cost

NOTE: The Town may opt to select the proposed system (plan) that it deems to be the best possible solution and value which may not necessarily be the lowest priced option.

FINAL SELECTION PROCESS
Upon evaluation of all proposals received, qualified candidates may be invited to interview with various Town officials, such as, but not limited to, elected officials, department heads, committee or panel members, etc., prior to award of contract. One or more candidates may be requested to attend a second or third interview, if deemed necessary.

Selection shall be based on, but not limited to, qualifications, experience, historical performance record, financial strength, understanding of needs, proven technical capabilities, suggestions for improvements and innovations.

The Town reserves the right to make an on-site inspection and evaluation of any facility at which contract operational services are currently being performed. If the Town chooses this option, the operator shall provide a representative upon reasonable notice for such inspection of the facility. All costs for transportation and subsistence to inspect facilities incurred by Town personnel shall be borne by the Town

AWARD OF CONTRACT
All responsive candidates will be evaluated based on the criteria stipulated in this document. The Town of Fairfield may opt to visit selected client sites in order to gain a better understanding of how the operation of the facility on offer operates.

The Town reserves the right to reject any and all proposals and is under no obligation to award the contract. The responsibility for the final selection and contract negotiation rests solely with the Town.

The Town shall not be liable to any bidder for costs associated with responding to this Request for Proposals (RFP), or for the participation of any interview(s) or negotiations.

WITHDRAWAL
No proposal may be withdrawn without prior written consent of the Town during the period between opening of the proposals and the signing of the Contract.

PRICES
Prices must remain firm throughout the first (12) months of the contract and may be subject to a mutually agreed upon cost of living allowance (COLA) increase every subsequent (12) months thereafter. The contract may not exceed a total of (5) years.

The Town reserves the right to reject any requested price increase deemed excessive in the opinion of the Town and cancel the contract. The contractor (operator) must submit a formal request for an increase to the Purchasing Department, no later than thirty (60) days prior to the effective price increase. The request shall contain the date the increase takes effect. No retroactive price increases will be allowed.

SCOPE OF SERVICES
Anticipated goals as part of this contract are as follows:

1. The Operator is required to reduce the total height and volume of the current stockpile of the existing material on site. On the attached site map, the peak of the center of the pile is at an elevation of 60 feet. The goal is to reduce the maximum elevation of the entire site to 30 feet by the end of the second year (December 15, 2014). The contractor will be required to report on the progress schedule of attaining this goal as part of a regularly scheduled quarterly operations meeting to be held approximately **1st April; 1st July; 1st October and 31st December** of each year. The Town will also monitor and confirm this progress by regular or periodic inspections. For the third year of the agreement, the Contractor shall maintain the maximum 30 feet elevation requirement on the site. Based on the current surface elevations recently obtained, it is estimated that the amount of material currently over the 30 feet elevation is well over 40,000 cubic yards. Therefore, there needs to be approximately 20,000 cubic yards of existing material removed from the site during each of the next two (2) years, in addition to accounting for the new material that is brought in during this time.

2. The Operator shall maintain the site to provide the Town with a location in which to dump material from **March 15th through to December 15th** of each year, for material in which is generated as a result of Town construction projects and assorted activities.

3. During the off season from **December 16th through March 14th** it is understood that there may be the need for both the Town and the Operator to bring in or remove a small amount of material on occasions. There will be no charge to the Town, or to any contractor acting on behalf of the Town, to dump any material at the site.

4. The Operator shall provide the Town with a supply of construction aggregate, topsoil, and other assorted material required for various construction projects. The Operator shall provide unit prices for these materials chargeable to the Town as part of the contract. These will be paid for by weight, except topsoil and general fill, which will be paid according to volume. There will be no escalation in any of the dollars quoted during the first (12) months of this agreement, including subsequent (12) month terms thereafter.

NOTE: In the past, the material brought into the site was of a greater quantity than the material that was sent out. Therefore, the stockpile continued to grow in size, which was not desired from the Town of Fairfield standpoint. To achieve the primary goal listed above, there must be substantially more material exported from the site to result in the desired net reduction of the stockpile. The Operator must be proficient at sorting and processing both the existing material on site and the new material that is brought in, and produce a variety of quality construction materials that will be valuable and marketable to the construction industry.

The major operational categories of activities which occur on site are as follows:

1. The Operator must accept all construction material generated by the Town of Fairfield. These include items such as broken asphalt pavement and curbing; milled asphalt; concrete curbing; excavation spoils from road and building construction; catch basin parts and tops; catch basin cleanings and road sweeping; and large boulders and shot rock. A small amount of this material may have metals and metal reinforcing bars (rebar), which the contractor shall process and separate as part of their duties. Building demolition material, including foundations, and wood of any kind are unacceptable materials. Due to the constant nature of general operations, the Operator shall man the site during Town working hours of Monday through Friday from 7:00AM to 3:30PM. This shall be in effect from approximately March 15th through December 15th each year, with the exact dates based on a full work week. Work shall not typically be performed on weekends or holidays, unless specifically requested by the Operator and approved by the Director or Superintendent of Public Works.

2. The Operator may accept some material from sources that are generated from other entities beside the Town of Fairfield. This shall be limited to 6,000 cubic yards per year. The Operator may charge as they wish for this imported material, and is entitled to the entire revenue without sharing or reporting costs to the Town. The Town may reject any material determined unsuitable for processing. This includes large concrete materials that require excessive hammering to reduce for crushing. There will also be a prohibition on the acceptance of hazardous or contaminated materials. The Operator will be responsible for the proper removal and cleanup of any environmental issues caused by their operations, as well as the removal of any unacceptable materials. The Operator must comply with all federal, state and other local regulations.

3. No yard waste, woody debris, stumps, solid waste, bulky waste, or general building construction debris shall enter or be processed on the site.

4. The Operator shall process the materials into aggregate and soil products to be used by the Town Department of Public Works construction projects. This shall be sold to the Town at the prices stated in the bid.

5. The Operator may sell bulk aggregate and soil products to others. The Operator may reap the entire profits from such sales. Please note this is not intended to be a retail operation.

6. The Operator must provide all the necessary equipment including payloaders, trucks, screeners, crushers, and all other equipment necessary, to perform the functions. There will not be any permanent buildings on the site. The Town will provide for weighing of the material purchased by the Town, either a portable scale or shall utilize the nearby transfer station scale. Note this equipment will not be available for the Operator's private operations.

7. The Town generates a substantial amount of milled asphalt from road work. Therefore, the Operator is expected to keep this material pure and not mixed with other materials, so it can be re-used by the Town in subsequent cold-in-place asphalt projects.

8. The Town is not obligated to bring all of its generated material into the material facility. Nor is the Town obligated to purchase aggregates and other materials from the Operator, and shall have the right to purchase such items from suppliers outside of this agreement.

9. The Operator shall not sell topsoil products to others from this location. It is expected that the Town will require all topsoil products that are necessary for its general operations. Note the sale of topsoil shall be considered a direct conflict with a separate organic recycling facility operated on another portion of the One Rod Highway property.

In exchange for use of the site and the material, the Operator must provide all requested material loaded into Town trucks (or Town sub-contractors). As an example of the type of material that will be needed (but not limited to) are items such as three-quarter inch stone, three (3) inch minus process gravel, topsoil, intermediate rip-rap, and generic fill. The Town shall provide the Operator with reasonable advanced notice of the need for certain material. The Town is not seeking a revenue share from the Operator for material generated to be sold. The Town is seeking a base operations fee for utilization the facility and its materials.

At a minimum, the proposal must include any and all expenditures required to ensure that the facility, now and in the future, meets all code requirements; performs at acceptable industry standards; and is able to successfully market the end-products. The proposal must also address dust control and describe efforts to minimize noise from each aspect of the operations. This includes storage, crushing, screening, and transporting the materials. The overall evaluation process shall consider price as well as experience, financial strength, and other industry factors, such as day-to-day operations, etc.

The Operator must conform with the Mine Safety and Health Administration (MSHA) and provisions of the Federal Mine Safety and Health Act of 1977 (Mine Act). The mission of this is compliance with mandatory safety and health standards as a means to eliminate fatal accidents; to reduce the frequency and severity of nonfatal accidents; to minimize health hazards; and to promote improved safety and health conditions in the Nation's mines. MSHA carries out the mandates of the Mine Act at all mining and mineral processing operations in the United States, regardless of size, number of employees, commodity mined, or method of extraction. Surface nonmetal mines that are designated as shell dredging, sand, gravel, surface stone, surface clay, colloidal phosphate, and surface limestone mines are required to have a Part 46 training plan. Other types also include surface operations that produce marble, granite, sandstone, slate, shale, trap rock, kaolin, cement, feldspar, and lime, even though these types are not specifically included in the title of the Part 46 regulations.

REQUIRED STANDARDS FOR QUALIFICATION

This section of the RFP establishes certain minimum standards of experience and financial capability that the Town requires for an Operator to be considered qualified. Proposals that do not meet the prescribed standards will be considered by the Town as non-responsive. The Town, at its sole discretion, shall determine if an Operator meets the standards.

The following questions must be acknowledged honestly and completely:

1. Bidder must have been in business for a minimum of five (5) years. Provide business history; include any changes in status as the result of a merger, acquisition, spin-off, reorganization or other change in business organizational status.

2. Primary bidder must demonstrate capability to successfully provide varied construction waste and related services:
   - Describe experience operating an aggregate material operation in Connecticut or elsewhere. Describe the term of the contract and the amount of, and type of, materials handled. Provide the name and contact person(s) associated with such contracts.
   - Describe experience with dust and noise control. Provide documentation on expertise in design and operation from existing operating facilities.
   - Describe experience with the receipt and handling of a variety of materials and include with proposal.
   - Describe ability to market these types of material.
   - Describe experience with hauling material to remote sites for processing, sale or disposal. Include a list of equipment required and available for hauling. Identify any subcontractor(s) that you intend to use (the Town reserves the right to approve all subcontractors.)
   - Provide a complete distribution plan for material generated from this operation.
   - Describe ability to provide on-going technical services and process support during operation.
   - Provide documentation of your ability to comply with pertinent state laws, regulations, compliance with Town permits, and other requirements.
3. Discuss the availability of equipment required to operate the facility, including size and numbers of payloaders, trucks, screeners, crushers, and all other equipment necessary to perform the functions.
   - Discuss access to spare equipment in order to minimize downtime.
   - Discuss the inventory of spare parts and the availability of an on-site service truck.
   - Discuss your equipment predictive and preventive maintenance programs.
   - Discuss your financial ability to replace failed equipment, including the Town's, if necessary.

4. Operator must furnish evidence of public liability and property damage insurance of not less than $2,000,000 combined single limits for bodily and/or property damage, and which names the Town as co-insured. Certification of insurance must be from an acceptable insurance company indicating such coverage, and must be provided by the Operator selected prior to contract execution and commencement of operation.

5. Operator must provide a performance bond equal to the amount of **$50,000** for the duration of the contract.

6. Miscellaneous Requirements:
   - Bidder must identify any subcontractor(s) that will be employed to perform work on the project. The Town retains the right to approve any and all proposed subcontractors. All subcontractors are required to provide insurance and other documentation as required of the primary Operator. This provision applies throughout the term of the contract.
   - State whether any elected official, officer, employee, appointed official or person who is payable in whole or in part by the Town has any direct or indirect personal interest in any subcontractor. If so, describe the circumstances.

EQUIPMENT OWNED BY THE TOWN

All land, building, improvements and permanent equipment that are presently in place, and/or new facilities added by the Town or Operator shall remain or become the property of the Town. All existing or new Town facilities shall be made available to the Operator for its use in providing the services under the contract. Should the Operator fund the implementation of any facility improvement at the request and approval of the Town, such facilities shall become the Town's property after the completion of a repayment schedule, approved by the Town.

The Operator shall maintain all land and improvements, including subsurface drainage that is within the scope of the agreement, whether owned by the Town or the Operator. Equipment and vehicle maintenance shall be performed by the Operator in accordance with manufacturer's recommendations or good industry practices, and the Operator will be required to provide proof thereof to the satisfaction of the Town. The Operator shall submit a maintenance schedule for approval by the Town.

Should the Operator purchase any rolling stock and transportable equipment not currently in use, the Operator shall be responsible for payment thereof.

QUALIFICATIONS / OPERATING PROPOSAL

The qualifications and price proposal submitted should contain the following chapters for each of the base or alternate Proposals:

- Executive Summary (maximum three (3) pages, single-sided).
- Proposer Information / Required Standards: Response to questions / information required by the Town.
- Qualifications / Related Experience: Brief summary of experience in operating projects of similar type and size (maximum 10 pages, single-sided).
- Operating Plan (maximum 15 pages, single-sided): The proposed operating plan should summarize
    - a list of specific individuals assigned to the management team and the technical support envisioned during the transition, and throughout the operation of the contract;
    - include resumes of assigned individuals;
    - a detailed staffing plan indicating the type of position and the number of employees the Operator believes will be necessary to provide the services requested;
    - the transition process and schedule;
    - The operating plan for the facility and other responsibilities for providing maintenance and management services.
- Description of on-site processing of materials.
- The sale of bulk aggregates, fill, topsoil, and other materials.

Business Considerations

The proposed business plan should discuss:

- The marketing plan for the compost end-product;
- A description of any suggested improvements in the operations and maintenance of the facility;
- A detailed list of rolling stock, which is to include (at a minimum) the year, make and model; size or capacity; standard operating hours;
- The availability of back-up equipment.
- Note: The Town will evaluate the equipment for its ability to process the yard waste quantities in a timely manner in order to meet permit requirements and to minimize odor and dust – both on-site and off-site.
- The Bidder shall identify any and all terms and conditions associated with the services included in the Statement of Qualifications. The Town and the selected bidder will clarify the scope of work and begin negotiation of the final contract.

COPY

PROPOSAL PAGE 1 OF 2-
SUBMIT SEPARATELY IN SEALED ENVELOPE

PROPOSAL TO: Town of Fairfield
725 Old Post Road,
Fairfield, Connecticut 06824

I, Andrew Julian Julian Development *have received the following contract documents,*

1. RFP Document #2013-73,
2. Posted addenda numbered 1 *thru* 1 posted at **http://fairfieldct.org/purchasing.htm**

and have included their provisions in my proposal. I shall supply all labor, materials, tools, equipment, technical service, insurance, taxes, permits, and all else necessary, for the operation of the construction material processing facility, One Rod Highway, Fairfield, Connecticut.

Price / Revenue: A separate sealed price/revenue proposal shall be delivered with the operating proposal.

The price / revenue proposal is suggested to contain at least the following topics:

- The services to be provided and products to be sold.
- Details of annual fee payment to the Town.
- Details of charges for various materials to the Town.

NOTE: Estimated unit price quantities are for evaluation purposes. The Town will pay the operator per unit prices based on actual measured quantities.

List of Payments: Payments to the Town or by the Town will be reconciled and made quarterly according to the tonnage / volume records for truck deliveries.

Annual Price Schedule:

I. Base price paid by the Contractor (Operator) to the Town for the operation of the facility:

Fixed price per term:

$ 3,000.00 /term (15th March – 14th June)

$ 3000.00 /term (15th June – 14th September)

$ 3000.00 /term (15th September – 15th December)

$ 9,000.00 **/lump sum (15th March through 15th December)**

The Bidder hereby certifies that any and all defects, errors, inconsistencies or omissions of which he/she is aware, either directly or by notification from any sub-bidder or material supplier found in the Contract Documents are listed herewith in this Bid Form.

Andrew C. Julian
Name of Authorized Representative

Signature

5-2-2013
Date

PROPOSAL PAGE 2 OF 2-
SUBMIT SEPARATELY IN SEALED ENVELOPE

II. Prices of material paid to the Contractor:
Estimated quantities shall be used as a basis for evaluation. Paid amounts will be for actual quantities.

a. Blended charge to the Town for supplying stone/gravel/aggregate:

Unit Price	Estimated Qty	Total
$ 6.50 /ton	8,000 tons	$ 52,000.00 /lump sum

b. Charge to the Town for supplying topsoil:

Unit Price	Estimated Qty	Total
$ 15.00 /cu. yd.	2,000 cubic yards	$ 30,000.00 /lump sum

c. Charge to the Town for supplying general fill:

Unit Price	Estimated Qty	Total
$ 2.00 /cu. yd.	2,000 cubic yards	$ 4,000.00 /lump sum

d. Charge to the Town for supplying processed asphalt millings:

Unit Price	Estimated Qty	Total
$ 2.00 /ton	6,000 ton	$ 12,000.00 /lump sum

Total material charge to Town per year (a + b + c + d): **Grand Total: $ 98,000.00 /lump sum**

The Bidder hereby certifies that any and all defects, errors, inconsistencies or omissions of which he/she is aware, either directly or by notification from any sub-bidder or material supplier found in the Contract Documents are listed herewith in this Bid Form.

Andrew C. Julian
Name of Authorized Representative

Signature

5-2-2013
Date

CHECKLIST
The following must be submitted with proposal:

- ☑ Cover page, completed and signed by authorized representative.
- ☑ Addenda acknowledged per Item 2 on Bid Proposal Form, or
- ☑ Signed and submitted with modified pricing if additional items have been requested.
- ☑ Bid Bond or equal approved security for five percent of the total estimated bid ($50,000).
- ☑ Response to all items as required and forms as set out in this document.
- ☑ List of references, qualifications, experience, and other credentials as requested.
- ☐ List of all sub-contractors (identify each trade, hourly rates and Tax ID numbers) and partners.
- ☐ Fee Proposal – submitted with qualifications, separately sealed in an envelope clearly identified as "fee proposal."

TERMS & CONDITIONS

Proposal Guarantee
No proposal may be withdrawn without prior written consent of the Town during the period between opening of the Proposals and the signing of the Contract.

Bid Bond
The Bid Bond shall be based on the capped amount of **$50,000.00** and furnished as bid security, which must be duly executed by the bidder as principal. It must be in the amount equal to five percent (5%) of the total estimated bid, as guarantee that, in case the contract is awarded to the bidder, the bidder will, within ten days thereafter, execute such contract and furnish a Performance Bond and Payment Bond.

Small businesses may elect to obtain an irrevocable letter of credit or cashier's check in lieu of the Bid Bond. Such surety must also be in an amount equal to at least five percent (5%) of the total estimated bid.

NOTE – Failure to provide a Bid Bond or equivalent security is not cause for a waiver defect. Any bid not accompanied by a Bid Bond or equal approved security will be excluded from consideration.

Payment and Performance Bonds
The Successful responder(s) will be required to furnish a Performance Bond and a Payment Bond to cover the execution of their contract. The bonds shall be issued at the expense of the Bidder and shall be maintained at the Bidder's expense during the life of the contract.

The Performance Bond shall be equal to the amount of **$50,000.00** and shall guarantee the faithful performance of the contract. The Payment Bond shall be in the amount of one hundred percent of the contract and shall secure the payment of all claims for labor and materials used or consumed in the performance of the contract.

Time of Completion
Installation, conversion of data, training and other required tasks to finalize full implementation must be completed as indicated in the RFP document.

Proposal Deadline
Proposals not sealed and/or received later than the due time and date will not be considered, no exceptions.

Bid Proposals
Bid proposals are to be submitted in a **sealed envelope** and clearly marked **"RFP #2013-73"** on the **outside** of the envelope or package, including all outer packaging, such as, DHL, FedEx, UPS, etc. All prices and notations must be printed in ink or typewritten. No erasures are permitted. Bid proposals are to be in the office of the Purchasing Authority, First Floor, Independence Hall, 725 Old Post Road, Fairfield, Connecticut, prior to date and time specified, at which time they will be publicly opened.

Right to Accept / Reject
AFTER REVIEW OF ALL FACTORS, TERMS AND CONDITIONS, INCLUDING PRICE, THE PURCHASING AUTHORITY OF THE TOWN OF FAIRFIELD RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS, OR ANY PART THEREOF, OR WAIVE DEFECTS IN SAME, OR ACCEPT ANY PROPOSAL DEEMED TO BE IN THE BEST INTEREST OF THE TOWN OF FAIRFIELD.

Questions
Questions concerning conditions and specifications should be directed **in writing** to:

Phillip Ryan, Buyer: PRyan@town.fairfield.ct.us | Fax (203) 256-3080

Inquires must reference date of RFP opening, requisition or contract number, including the responding firm's name and address, and must be received **no later than the time and date as stated in the bid document**. Failure to comply with these conditions will result in the candidate waiving the right to dispute the RFP specifications and conditions.

Prices
Prices quoted must be held firm for acceptance by the Town of Fairfield for a period of (180) days. Prices shall include all applicable duties. Bidders shall be required to deliver awarded items at prices quoted in their original bid.

F.O.B. Destination
Prices quoted shall be net-delivered to Destination. Bids quoting other than F.O.B. destination may be rejected.

TERMS & CONDITIONS

Permits
If deemed necessary, the Contractor will be responsible for securing all necessary permits, State and local, and as required by the Town of Fairfield. The Town will waive its application and permit fees for Town of Fairfield projects.

Payment Procedures
No voucher, claim or charge against the Town shall be paid without the approval of the Fiscal Officer for correctness and legality. Appropriate checks shall be drawn by the Fiscal Officer for approved claims or charges and they shall be valid without countersignature unless the Board of Selectmen otherwise prescribed.

Payment Period
The Town of Fairfield shall put forth its best effort to make payment within thirty days (30) after delivery of the item acceptance of the work, or receipt of a properly completed invoice, whichever is later. Payment period shall be net thirty days (30) unless otherwise specified.

The Contractor
The Contractor for the work described shall be thoroughly familiar with the requirements of all specifications. The submission of a proposal shall be construed as evidence that the Contractor has examined the actual job conditions, requirements, and specifications. Any claim for labor, equipment or materials required, or difficulties encountered, which could have been foreseen had such an examination been carefully made, will not be recognized.

Assignment of Contract
No contract may be assigned or transferred without the prior written consent of the Purchasing Authority.

Award of Bids
Contracts and purchases will be made or entered into with the lowest responsible bidder meeting specifications, except as otherwise specified in the invitation (i.e. Selection Criteria, Selection Process). If more than one item is specified in the invitation, the Town of Fairfield reserves the right to determine the low bidder on an individual basis or on the basis of all items included in the Invitation for Bids, unless otherwise expressed by the Town.

Guarantee
Equipment, materials and/or work executed shall be guaranteed for a minimum period of one (1) year against defective material and workmanship. The cost of all labor, materials, shipping charges and other expenses in conjunction with the replacement of defective equipment, and/or unsatisfactory work, shall be borne by the Contractor.

Catalogue Reference
Unless expressly stated otherwise, any and all reference to commercial types, sales, trade names and catalogues are intended to be descriptive only and not restrictive; the intent is to indicate the kind and quality of the articles that will be acceptable. Bids on other equivalent makes, or with reference to other catalogue items will be considered. The bidder is to clearly state exactly what will be furnished. Where possible and feasible, submit an illustration, descriptive material, and/or product sample.

OSHA
The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with Federal and State of Connecticut OSHA standards. The successful bidder will agree to indemnify and hold harmless the Town of Fairfield for any and all damages that may be assessed against the Town.

Life Cycle Costing
Where applicable, Life Cycle Costing will be used as a criterion for awarding bids. This is a method of calculating total cost of ownership of an item, which may include operation and maintenance expenses, transportation, salvage value, and/or disposal costs.

TERMS & CONDITIONS

Insurance Coverage
The successful bidder will be required to furnish a Certificate of Insurance naming the Town of Fairfield, its employees, officers and agents, as the additional insured, and be provided by companies licensed in the State of Connecticut.

Indemnification
In addition to providing insurance, the successful bidder shall indemnify and hold the Town, its employees, officers and agents harmless from all claims and demands of any nature for any loss, damage or injury which any person may suffer by reason of or in any way arising out of work required by this Bid and any resulting contract or purchase order issued pursuant to it.

Federal, State and Local Laws
All applicable Federal, State and local laws, rules and regulations of all authorities having jurisdiction over the locality of the project shall apply to the contract and are deemed to be included herein.

Conflict of Interest
No officer or employee or member of any elective or appointive board, commission or committee of the Town, whether temporary or permanent, shall have or acquire any financial interest gained from a successful bid, direct or indirect, aggregating more than one hundred dollars ($100.00), in any project, matter, contract or business within his/her jurisdiction or the jurisdiction of the board, commission, or committee of which he/she is a member. Nor shall the officer/ employee/ member have any financial interest, direct or indirect, aggregating more than one hundred dollars ($100.00) in any contract or proposed contract for materials or services to be furnished or used in connection with any project, matter or thing which comes under his/her jurisdiction or the jurisdiction of the board, commission, committee of which he/she is a member.

Scope of Work / Site Inspections
The Bidder declares that the scope of the work and/or specifications has been thoroughly reviewed and any questions resolved. (See above for name and number of individual to contact for questions). If applicable, the Bidder further declares that the site has been inspected as called for in the specification (q.v.).

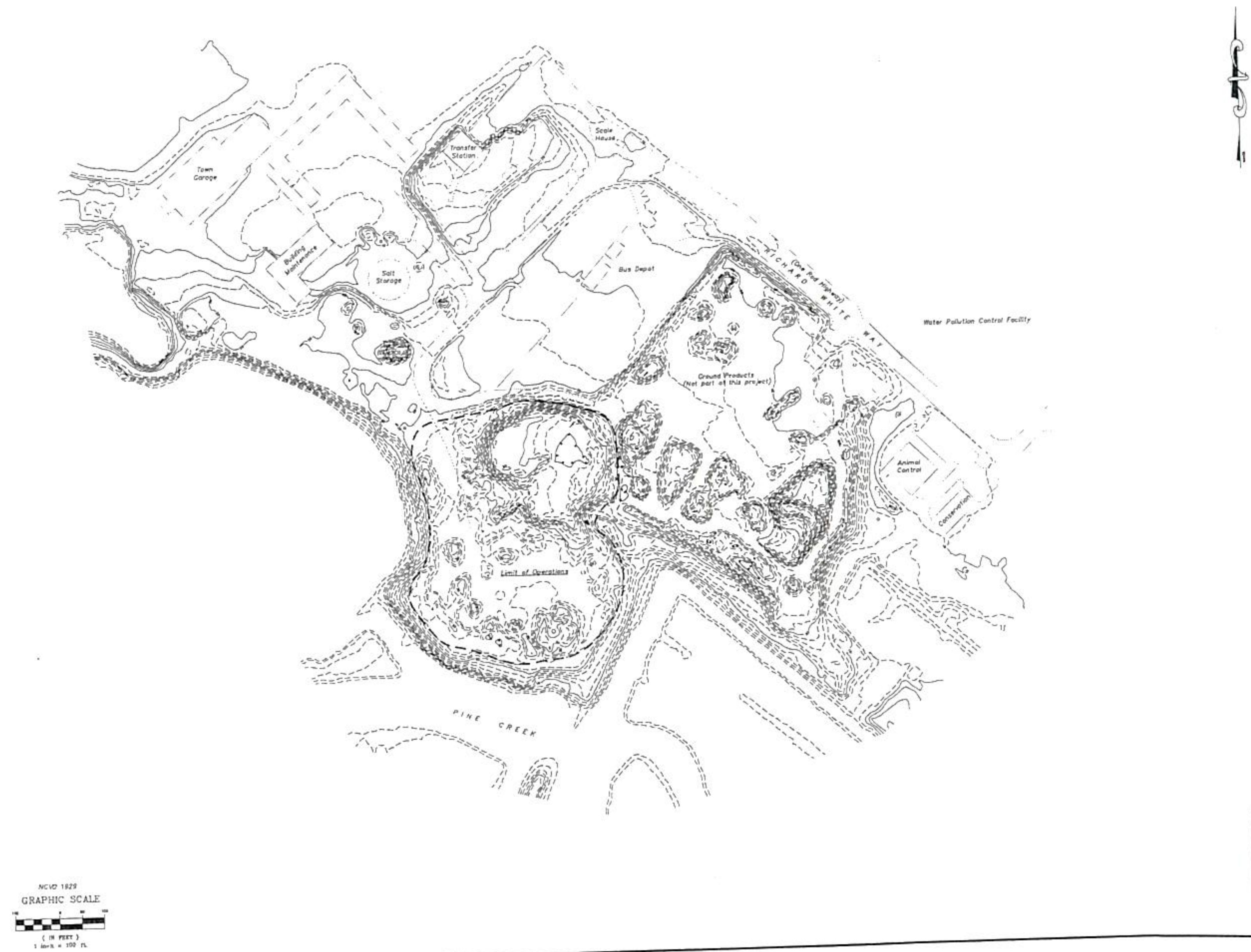
Exception to Specifications
No protest regarding the validity or appropriateness of the specifications or of the Invitation for Bids will be considered, unless the protest is filed in writing with the Purchasing Authority, prior to the closing date for the bids. All bid proposals rendered shall be considered meeting the attached specifications unless exceptions are noted on a separate page dated and signed by the bidder.

Unless Otherwise Noted
It will be assumed that all terms and conditions and specifications will be complied with and will be considered as part of the Bid Proposal.

Tax Exempt
Federal Tax Exemption 06-75-0063-K
Exempt from State Sales Tax under State General Statues Chapter 219-Section 12-412 Subsection A.
No exemption certificates are required and none will be issued.

Non-Resident Contractors
1. Non-resident contractors are required to deposit with the Department of Revenue Services a sum equivalent to 5% of the total contract value, as assurance that personal property taxes and/or any other State taxes assessed and due the State during the contract will be paid.
2. If this surety is not deposited with the State, the Town is required to deduct and submit to the State 5% of the total contract value.

G:\ENGINEERING\Land Projects R2\3340\dwg\Construction PileA.dwg, 4/1/2013 1:41:57 PM, Adobe PDF (temporary)6334.pc3, 1:100



Town of Fairfield
Dept. of Public Works

Construction Material Processing Facility
Richard White Way
Fairfield, CT

DRAWN BY: jula
DATE: March 20, 2013
SCALE: 1"=100'

CHK'D BY: M.A.
FILE NO: 3340
MAP NO:

COPY

Town of Fairfield

Sullivan Independence Hall
725 Old Post Road

Fairfield, Connecticut 06824
Purchasing Department

(203) 256-3060
FAX (203) 256-3080

ADDENDUM #1
BID #2013-73
CONSTRUCTION MATERIAL PROCESSING FACILITY

26 April, 2013 – It is intended that this Addendum incorporating the following corrections, revisions, additions, deletions and clarifications become part of the Contract Documents, including pricing as submitted.

Clarification / Q&A:

1. Because the contract will be a 3 year with a possible 2 year extension will the Town of Fairfield accept an annual performance bond?

   Answer: Yes. An annual performance bond will be accepted.

2. The proposal states that the performance bond will be $50,000.00 but the performance will be 100% of the contract price. Can you please clarify this so our bonding company can prepare the proper bond?

   Answer: Performance Bond = $50,000.00 / Payment Bond = 100%

3. Who is the current operator?

   Answer: Datin Bros., Inc, Westport, CT is the current operator of the facility.

4. Will the Town provide the last contract that was awarded with prices?

   Answer: Pricing awarded is as follows:

   a. Fee paid to Town: $2,500.00
   b. Material returned to the Town at no charge;
      i. 1,500 cubic yards 2" minus
      ii. 750 cubic yards 3/4" stone
   c. Suggested retail price of material to be sold to Town;
      i. 2" minus: $7.50 /yd
      ii. 3/4" process: $7.50 /yd
      iii. 3/4" stone: $10.00 /yd
      iv. 1-1/4" stone: $10.00 /yd
      v. Screened fill: $5.00 /yd

5. Quantity of all material types brought to the facility over previous years is not known. However, estimated quantities are included in the bid document. All estimates are per an annual basis and are not a guaranteed amount.

6. Contractor (Operator) will be responsible for supplying own scales to weigh all material, including all other equipment as necessary for the complete operation of the facility, unless otherwise specified in the bid documents.

7. All millings will be brought to the facility by DPW. Millings from thick asphalt roads are typically pure/clean with some dirt mixed in from thinner roads.

required to fill out a daily inspection sheet each morning.

4) Insurance Requirements: Meets or exceeds requirements (see attached)

5) Performance Bond

6) Miscellaneous Reuirements:

Subcontactors: None

Elected officials Interest in Subcontractors: None

Julian Development

Andrew C Julian

4-29-2013

8. The Town shall assume ownership of any contaminated material brought to the site where delivered by the Town. Contractor (Operator) shall inspect all loads, stop work, and notify the Superintendent of Public Works immediately if any contaminated material is brought to the facility.

9. Processed piles of material owned by the Town or the current operator will be removed prior to award of contract.

10. Contractor shall install hay bales or wood chips as necessary to prevent contaminated water runoff from all boundaries and access roads.

11. There is no water on site to be utilized for dust control. However, the Contractor may obtain water for this purpose from the standpipe situated adjacent to the Green Cycle facility on One Rod Highway. Water will be metered and usage charged to the Contractor on a quarterly basis. Usage shall be charged $5.00 per 100 cubic feet of water which is 748 gallons as read through the meter.

12. Standard hours of operation are from 7:00am to 3:30pm, Monday through Friday. Hours may be extended in the future where permissible by DPW in writing, and if determined to be non-obtrusive to local residents.

Company Julian Development Name Andrew C Julian Signature  Date 4-29-2013

END OF ADDENDUM

DETAILS: BID #2013-73 02 May, 2013 | TIME: 2:00PM	PROJECT: Construction Material Processing Fac. One Rod Highway, Fairfield CT	PRE-BID DATE: 18 April, 2013 | TIME: 11:00AM PAGE 1 OF 1
COMPANY / NAME (PRINTED)	PHONE	E-MAIL
COMPLETE CONSTRUCTION COMPANY	203-732-2522	guy.demaio@completeconstructionco.org
Laydon Industries	203-562-7283	dportin@laydonindustries.com
AJAY Construction	(203) 515-1935	rdp82008@gmail.com
Tom Mowrey	203 858 8225	NO
Cavalier Industries/Lou Cavliere	203-393-6018	DJ@Cavaliereindustries
Datin Bros, INC	(203) 943-5227	datinbros@aol.com
Julian Development	203-416-5308	jbjulian@julianenterprises.com

Julian Development

Andrew C Julian

4-29-2013

Company Overview

The Julian Companies have been avtive in the construction, development, and management aspects of the business since 1907. Headquartered in West Haven, Connecticut, Andrew Julian, Sr., Jason Julian, and Andrew Julian, Jr. lead a team of professionals actively involved in the developing, managing, and leasing in excess of 2 million square feet of commercial properties throughout the State of Connecticut. Our affiliate companies, Julian Enterprises, Inc. and Julian Development, each specialize in a different aspect of commercial real estate and are experts in their corresponding fields.

Julian Enterprises, Inc. is a multi-faceted property management company that offers services for sales, leasing, financial reporting, physical maintenance, and management of office ,mexed use, retail, residential, and industrial properties. The 24-hour facility management team of Julian Enterprises has been trained in the most modern property management techniques that allow us to enhance the values of the properties that we manage. Julian Enterprises offers a real estate team that specializes in analyzing markets, locating properties, and assessing the highest and best uses. Even the most complex projects can be taken from initial evaluation to implementation.

Julian Development is a premier real estate design and construction management company focused on providing estimates, tenant build-outs, reserve studies, and ground-up/turnkey projects. By utilizing the latest technology, projects are finished on time and within budget, and are delivered with first class quality in the same character and traditions that contributed so much to the success of our family owned businesses over the past decades. Our experience in managing complex projects, servicing clients needs, and building long term relationships is one reason for repetitive business.

Currently, the Julian Companies continue to be a privately held business that strives to achieve success in our real estate endeavors, and provides our tenants with a level of quality service that is synonymous with the Julian name.

Executive Biographies

CONTINUED

ANDREW JULIAN, JR.

Andrew Julian, Jr. joined the Julian Companies nine years ago. He brings experience in construction, property management, development, commercial leasing, and finance.

Andrew is responsible for overseeing accounting matters, as well as financial compliance, accounting integration acquisitions, cash flow management, and external and internal financial reporting requirements of the company.

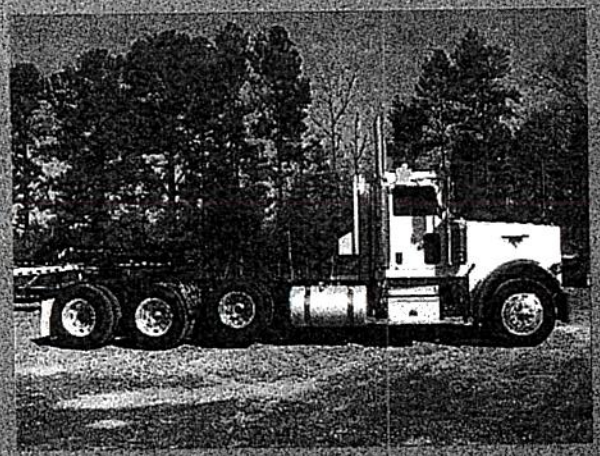
Andrew began his career with Julian Enterprises as an affiliate of Julian Companies in 1994 and served as Director of Property Management in Connecticut.

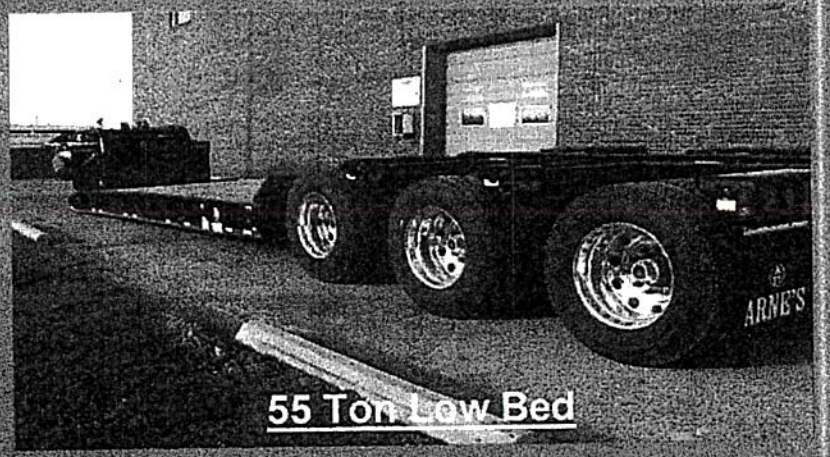
He is a current member of the International Council of Shopping Centers and an active member in the Connecticut Chamber of Commerce. He has participated in Junior Achievement and fundraising for the Barnum Festival.

Aggregate & Topsoil

Dump Truck Service

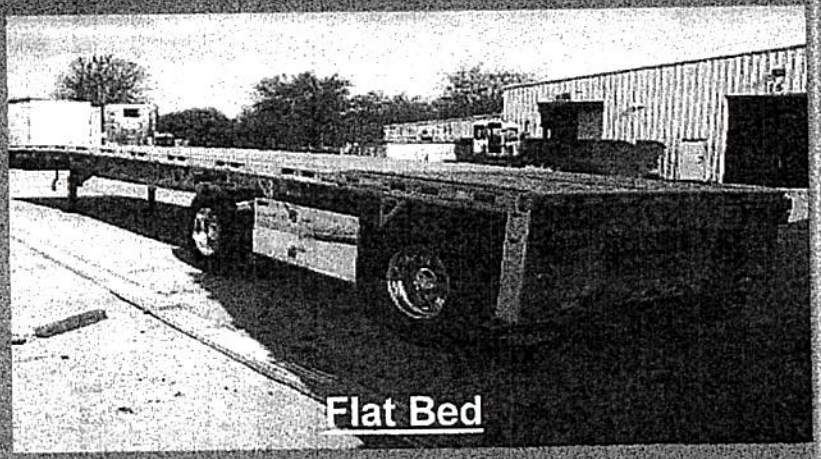
Trailer Service



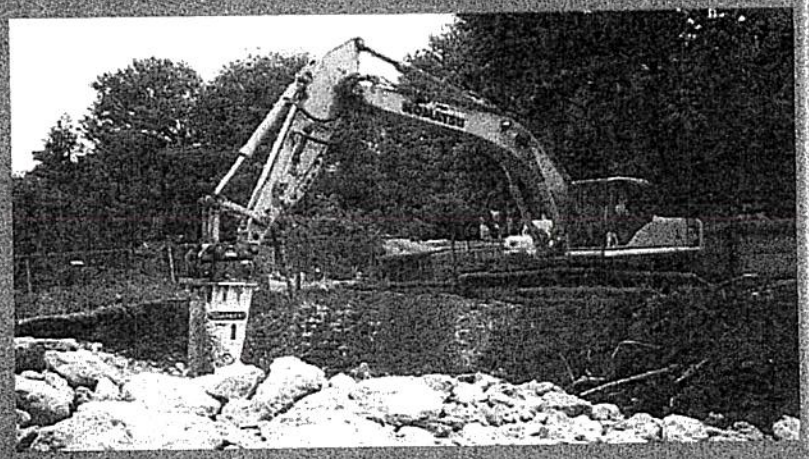


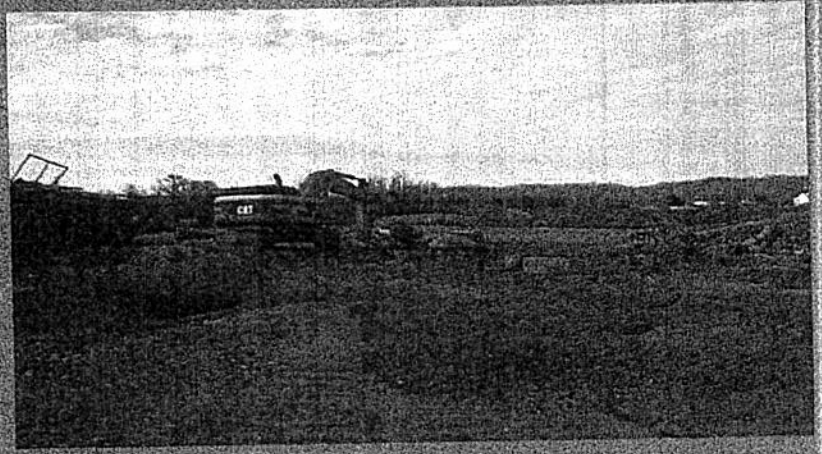
55 Ton Low Bed


Trailer Dumps


Flat Bed

Site Work & Demolition





Equipment List

Fleet #	Year	Make	Model	Style
13101	2002	Mac	Alum	Dump Trl
13102	2004	Dorsey	Alum	Dump Trl
14201	1995	Ingersoll	185	Compressor
14202	2001	Ingersoll	185	Compressor
14203	2004	Ingersoll	185	Compressor
20101	1996	Trojan	2000	Whl Loader
20102	2004	Komatsu	WA500	Whl Loader
20103	2006	Komatsu	WA250	Whl Loader
20104	2007	Komatsu	WA250	Whl Loader
21101	2005	Bobcat	331	Mini Excavat
21102	2007	CAT	304cr	Mini Excavat
21103	2007	Komatsu	PC50	Mini Excavat
21104	2004	Komatsu	PC160lc	Excavator
21105	2004	Komatsu	PC400lc	Excavator

Fleet #	Year	Make	Model	Style
21106	2006	Komatsu	PC300lc	Excavator
21107	2007	Komatsu	PC200lc	Excavator
22101	2001	Komatsu	D41	Dozer
22102	2007	Komatsu	D51ex	Dozer
23101	1999	Bobcat	864	Skid Steer
23102	2006	Bobcat	863	Skid Steer
24101	2002	John Deer	410	Backhoe
25101	1995	Ingersoll	84"	Compactr
25102	2001	Ingersoll	5 Ton	Compactr
25103	2008	Hamm	84"	Compactr
26101	2001	Volvo	A35	Articulatd
26102	2002	Volvo	A35	Articulatd
27101	2001	Powerscr	1400	Screener

Material Supply

- Sand
  - Septic, Asphalt, Mason, and Concrete Sand
- Topsoil
  - Loam Screened to ½"
- Mulch
  - Landscape and Playground
  - Cedar, Hardwood, Hemlock, and Colored
- Back Fill
  - Structural and Borrow
- State Road Millings
- State Approved Aggregate, Processed Stone, and Screenings
- Decorative Stone and Masonry Products

Introduction

The Julian Companies have been active in the construction, development, and management aspects of the business for over a century. A. Julian Construction Company was established in 1907 in Bridgeport, Connecticut as a quarry operation supplying both blasted and hand-cut granite for area church facades and foundation stones for commercial and residential buildings. Through the years, our family has expanded its field of operations to include all types of excavation, site work, building, paving, shoring, utilities, storm and sanitary drainage, bridges and blasting and also demolition. The contracts, which have been awarded to our company, have been some of the largest in our area.

In 1977, the Julian Companies entered the field of Hazardous Waste removal and disposal. During the years that followed, we have been awarded contracts by corpor-ations and municipalities, which have included Avco-Lycoming, Army Corp. of Engineers, Raybestos-Manhattan, Ansonia Brass, United Illuminating, City of Bridgeport, the Town of Stratford, Carpenter Technologies, Dresser Industries, U.S.Baird, U.S. Motors, Warnaco and numerous smaller facilities.

During the years of 1980 and 1981, it was our honor to be selected to serve on the Senate Solid Waste Committee, which proposed the idea of individual source separation, which today has become reality.

In 1995, with the fourth generation of our family joining the Construction Business, Julian Enterprises was incorporated. Over 100 years of service in our industry and a record of never defaulting or failing to complete a project, we remain equipped and staffed to handle all projects in our field.

By utilizing the latest technology, projects are finished on time, within budget, and delivered with first class quality in the same character and traditions that contributed so much to the success of our family owned businesses for over a century. Our experience in managing complex projects, client service and long term relationships is one reason for repetitive business.

As of today, the Julian Companies continue to be a privately held business that strives to achieve success in our industry, and provide our customers with a level of quality service that is synonymous with the Julian name.

crushing operations are equiped with water trucks or above ground arregation sytems for dust control. Noise Control all equipment has muffler and emmission systems to meet or exceed the indusrty standards. All personal are provided with ear protection.

Recipt and Handling Materials: The Julian Companies have srtict qualitiy control guideline for each processing operation to ensure the highest level quality. This is achived by properly seperating or rejecting the inital receipt of materials onto the site. Asphalt, concrete and other useable earth materials will be seperated into different inventory piles to allow the operation to blend or individully proccess each material based upon the specifications.

Ability to Market: The Julian Companies has a sales team to market earth materials. This particular operation will have a full time sales person marekting the products to our existing customer base.

Experience Hauling Material to Remote Sites: The Julian Companies own a fleet of a triaxle dump trucks and trailers to service any hauling need. Our truck are permitted to haul in 12 states along the east coast. Please see attached fleet list.

Complete Distribution Plan: The Julian Companies goal is to reduce the existing debris pile located on the property as rapidly aspossible. This will allow for new material to be brought into the site and the abiltiy to run a clean operation with quality product. Julian Companies real estate divison is currently working on breaking ground on several commercial project which will require large quanties of fill materials which can be taken from the existing debris pile located on site.

Technical Services and Support: Julian has a long working relationship with the local equipment dealers whom supply us with our aggreagate processing euipment. Also our in house mechanics can answer assist with unforseen breakdowns.

Comply with State / Town laws: Attched is a copy of Julian Developments MSHA number and major contractor number . Our company is known to work within the guidlines of the Town or State permits or requirements.

3. Equipment required to operate the facility:

2) Wheel loaders, 2) Excavators, 1) Pulverizer, 1) Hydualic hammer, 1800 warrior screener, Trommell screener, Cone crusher, Jaw crusher.

Spare Equipment: Julian has multiple pieces of equipment readily available if a break down occurs which will result in excessive down time.

Spare parts and on-site service: Julian has large inventory of spare parts located in its Milford warhouse. Four on road service trucks are equipped to service any needs.

Preventive Maintenance: All Julian equipment is catagorized in the computor by equipment or truck number. Our system notifies our mechanics when a serive is due. Also our operators and drivers are

5) Bidder / company or its emplyoees / officers has been named as a defendant in any litigation brought as a result of any contract operations for operations / maintenance: NO

6) Bidder / company has ever been terminated or replaced on a project other than those contracts that have been terminated due to completion: NO

7) Bidder / company, its owners, officers or employees have ever been subject to a criminal investigation by the federal or state government, by any municipality, or government agency: NO

Bid page 4 of 13
Qulifications

1) Size of Company: Average yearly sales 20 million

2) Geographical location: New England and New York

3) Number of full time employees at facility: 4 Full-time

4) References for operated facilities:

Fairfield Stone & Supply
Contact: Jeremy Blum
Tel: 203-330-0800

Paramount Stone
Contact: Carlo Vona
Tel: 203-353-9119

Bid page 7 of 13
Required Standards For Qualification

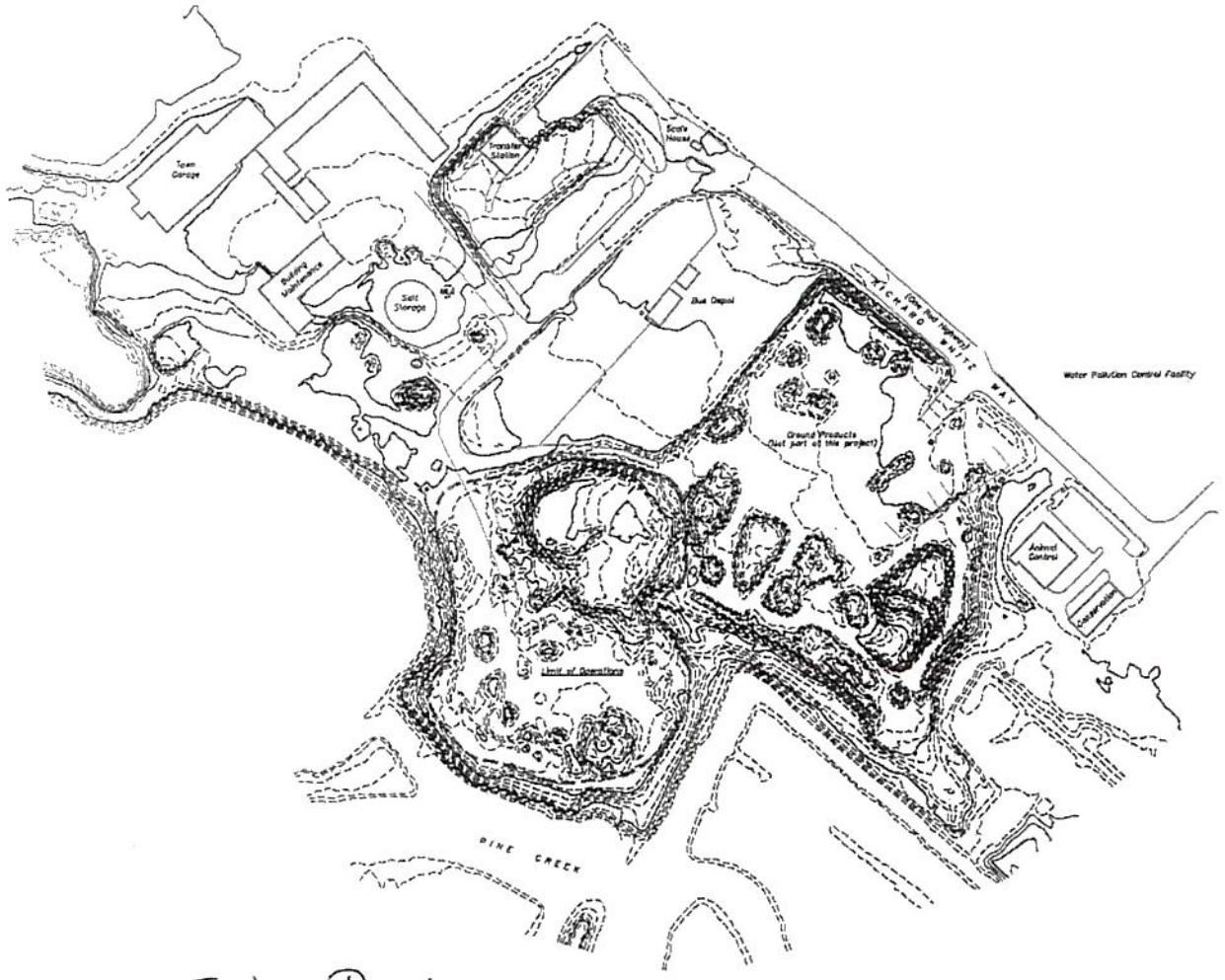
1. Minimum of five (5) years in business:

Julian Development has been in existence since 1998.

2. Capability to succesfully provide varied waste and related services:

The Julian Companies are actively operating multiple aggregate material operations in New England. Operation #1 is an existing quarry located at 57 Brunswick Avenue in the town of Plainfield, CT. This particular quarry produces a Connecticut Tan stone which is used for dimensional building and crushed construction aggregate. Julian Development is the owner and contact party for the site. Operation #2 is an existing quarry located at 127 Chandler Road in the town of Chester, Vermont. This paticular quarry produces a grey stone known as Chesterfield Stone which is used for dimensional building and also crushed construction aggregate. Julian Development is the owner and contact party for the site.

All Julian employees are MSHA and OSHA trained pertaining to mine saftely. All quarries and



Julian Development

Andrew C. Julian

4-29-2013

GRAPHIC SCALE

(IN FEET)

Town of Fairfield
Dept. of Public Works

Construction Material Processing Facility
Richard White Way
Fairfield, CT

DRAWN BY: JJS
DATE: March 20, 2013
SCALE: 1"=100'

CHKD BY: M.A.
FILE NO: 3340
MAP NO:

COPY

Provide reference details regarding previous or existing contracts:

REFERENCE #1:

Name of Company O & G INDUSTRIES — Phone _____

Contact Person Curtis Jaques — Cell 203-954-6515

Company Address 112 Wall St, Torrington, CT — Fax _____

Date work completed 2012 — Email _____

REFERENCE #2:

Name of Company GARRITY SERVICES — Phone _____

Contact Person John Hurd — Cell 860-573-0854

Company Address 22 Peters Rd, Bloomfield CT — Fax _____

Date work completed 2012 — Email _____

REFERENCE #3:

Name of Company GO ENVIRONMENTAL — Phone 203-876-1007

Contact Person Michael Grenata — Cell 203-606-7735

Company Address 203 N.Broad St, Milford CT — Fax _____

Date work completed 2012 — Email _____

REFERENCE #4:

Name of Company BIG Y WORLD CLASS MARKETS — Phone 413-504-4101

Contact Person Pamela Mc Carthy — Cell _____

Company Address 2145 Roosevelt Ave Springfield MA — Fax _____

Date work completed 2012 — Email _____

REFERENCE #5:

Name of Company THE KIMBALL GROUP — Phone 203-371-6108

Contact Person John Kimball — Cell 203-610-2222

Company Address 523 Pepper St, Monroe CT — Fax _____

Date work completed 2012 — Email _____

Certificate of Training

U.S. Department of Labor
Mine Safety and Health Administration

Approved OMB Number 1219-0009, Expires December 31, 2010

This certificate is required under Public Law 91-173 as amended by Public Law 95-164. Failure to comply may result in penalties and other sanctions as provided by sections 108 and 110, Public Law 91-173 as amended by Public Law 95-164.

➡ Issue Certificate Immediately Upon Completion of Training

Serial Number (for operator's use)

1. Print Full Name of Person Trained (first, middle, last)

2. Check Type of Approved Training Received:

☒ Annual Refresher ☐ Experienced Miner ☐ Hazard Training

☐ New Task (specify below) ☐ Newly Employed, Inexperienced Miner ☐ Other (specify)

Date	Task	Initials Instr / Stud	Date	Task	Initials Instr / Stud

3. Check Type of Operation and Related Industry:

A. ☒ Surface ☐ Construction ☐ Underground ☐ Shaft & Slope

B. ☐ Coal ☐ Metal ☒ Nonmetal

4. Date Training Requirements Completed

12/12/12 S HAL

➡ If completed, go to item 6, below. ☐ Check if not completed and go to item 5, below.

5. Check Subjects Completed (use only for partially completed training):

☒ Introduction to Work Environment
☐ Hazard Recognition
☐ Emergency Medical Procedures
☒ H&S Aspects of Tasks Assigned
☒ Statutory Rights of Miners
☐ Self-Rescue & Respiratory Devices
☒ Transport & Communication Systems
☐ Roof/Ground Control & Ventilation
☐ Mine Map; Escapeways; Emergency Evacuation; Barricading
☐ Cleanup; Rock Dusting
☐ Mandatory Health & Safety Standards
☐ Authority & Responsibility of Supervisors & Miners' Representatives
☒ Health
☐ Electrical Hazards
☐ First Aid
☐ Mine Gases
☐ Explosives
☒ Prevention Of Accidents
☒ Other (specify) FIRE

6. False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety & Health Act (P. L. 91-173 as amended by P. L. 95-164).

I certify that the above training has been completed (signature of person responsible for training)

7. Mine Name, ID, & Location of Training (if institution, give name & address)

JULIAN ENT. CP 5 BENNETT

MILFORD CT

8. Date

12/12/12

I verify that I have completed the above training (signature of person trained)

MSHA Form 5000-23, Jan. 99 (revised

Copy 1 - Employer's Personnel Record

Contaminated Soils

- Excavation
- Loading
- Transportation
  - 9 Julian Trucks
  - 40 +/- Subcontracted Owner Operators
  - Roll-Off Service
  - Access to Railroad
  - Permitted for Interstate and Intrastate
- Disposal
  - Licensed Certified Landfills and Incinerators Throughout the Northeast

Equipment List

Fleet #	Year	Make	Model	Style
1101	2005	Chevy	4500	S/A Dump
1102	1998	Mack	RD	S/A Dump
2101	2008	Peterbilt	389	T/A Dump
2102	2008	Peterbilt	389	T/A Dump
2103	2005	Peterbilt	379	T/A Dump
2104	2005	Kenworth	W900L	T/A Dump
2105	2004	Kenworth	T 800	T/A Dump
2106	2004	Kenworth	T 800	T/A Dump
3101	2008	Peterbilt	389	T/A Tractor
3102	2004	Kenworth	W900L	D/A Tractor
3103	1998	Mack	RD	D/A Tractor
4105	2001	Ford	F350	Service Trk
4107	2004	Ford	F350	Service Trk

Fleet #	Year	Make	Model	Style
5104	1998	GMC	2500	Pickup
5106	2002	Ford	F350	Pickup
5108	2005	Ford	F150	Pickup
5109	2005	Ford	F250	Pickup
5110	2005	Ford	F250	Pickup
5111	2005	Ford	F250	Pickup
5112	2005	Ford	F250	Pickup
5113	2005	Ford	F250	Pickup
10101	2005	Econoline	5 Ton	Tag Trl
10102	2005	Econoline	6 Ton	Tag Trl
10103	2004	CAM	2 Ton	Tag Trl
10104	2006	CAM	7 Ton	Tag Trl
11101	2005	Talbert	55 Ton	Lowbed
12102	2001	MAC		Flatbed

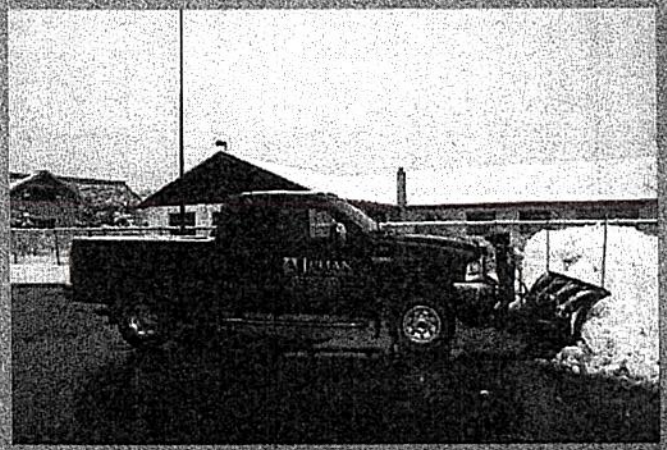
Attachments / Exhibits

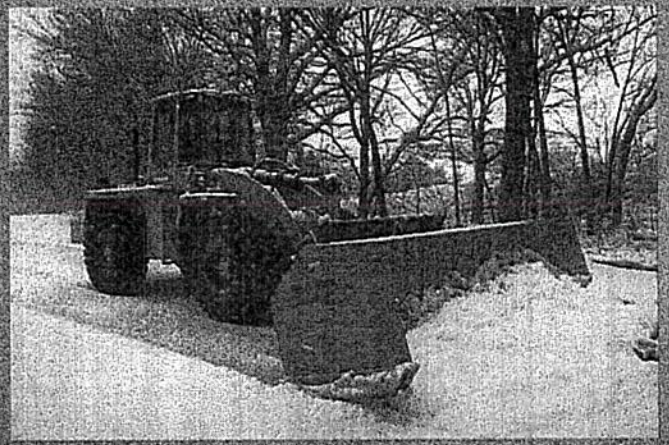
- Company Overview
- Equipment List
- Projects Completed Within the Last 5 Years
- Projects in Progress
- Hazardous Communication Program
- Health and Safety Program
- Safety Policies
- Tool Box Talks
- Personnel Policies Manual
- W-9
- References Upon Request

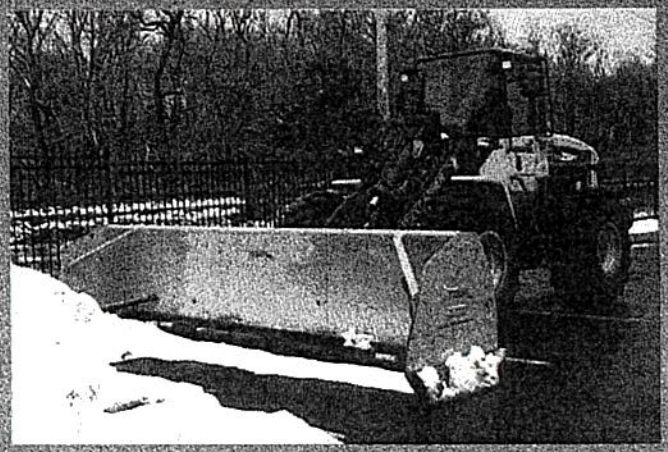
Licenses & Insurances

- Hazwoper
- 40 Hour Training
- CDL
- Class A Demolition License
- TWIC
- CMR from IAQA
- Apportioned
- USDOT
- Motor Carrier Authority
- Reducible Load Permits
- Fully Insured
- National Association of Demolition Contractors
- Associated General Contractors

Snow Removal







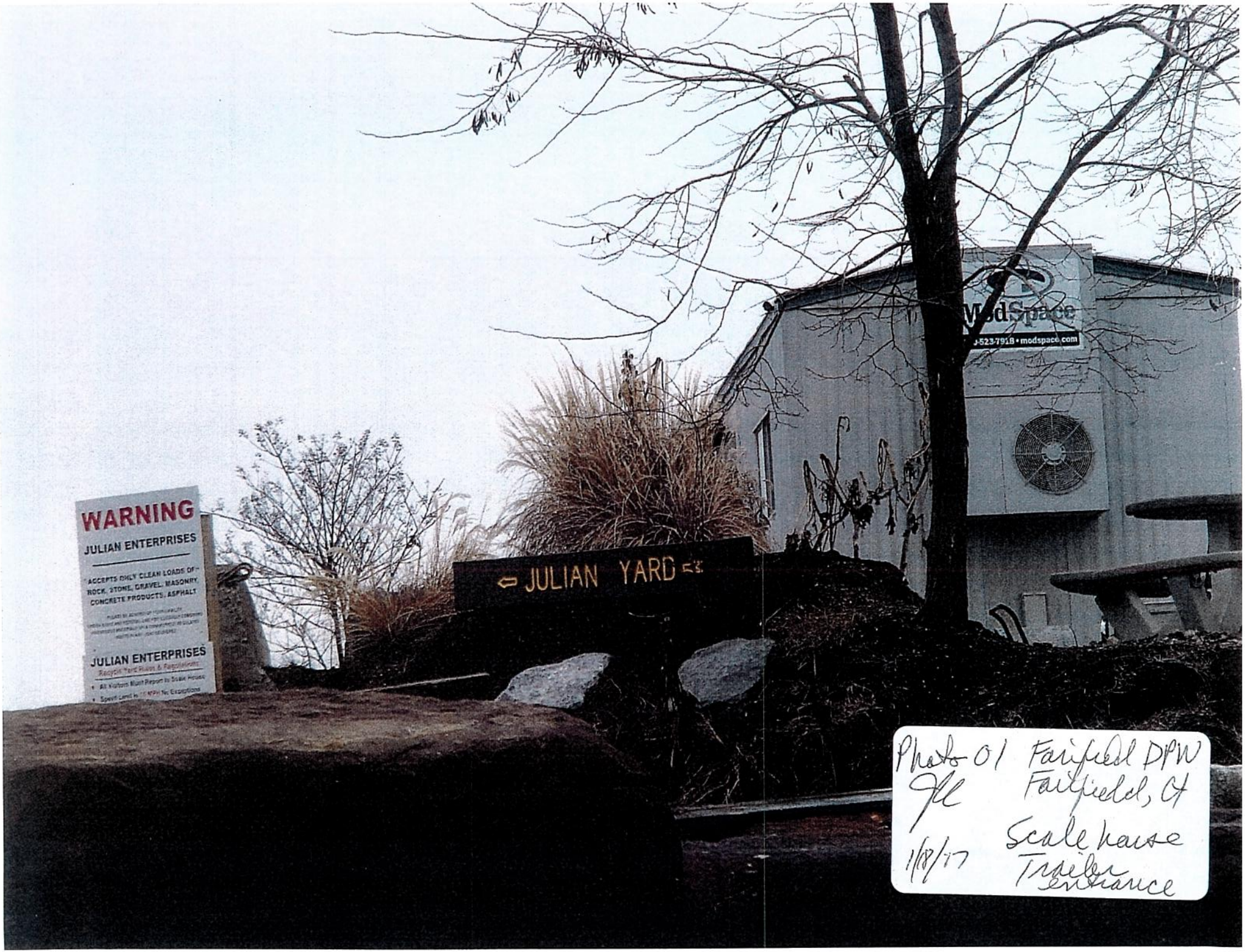


Photo 01 Fairfield DPW
JL Fairfield, CT
1/18/17 Scale house
Trailer
Entrance

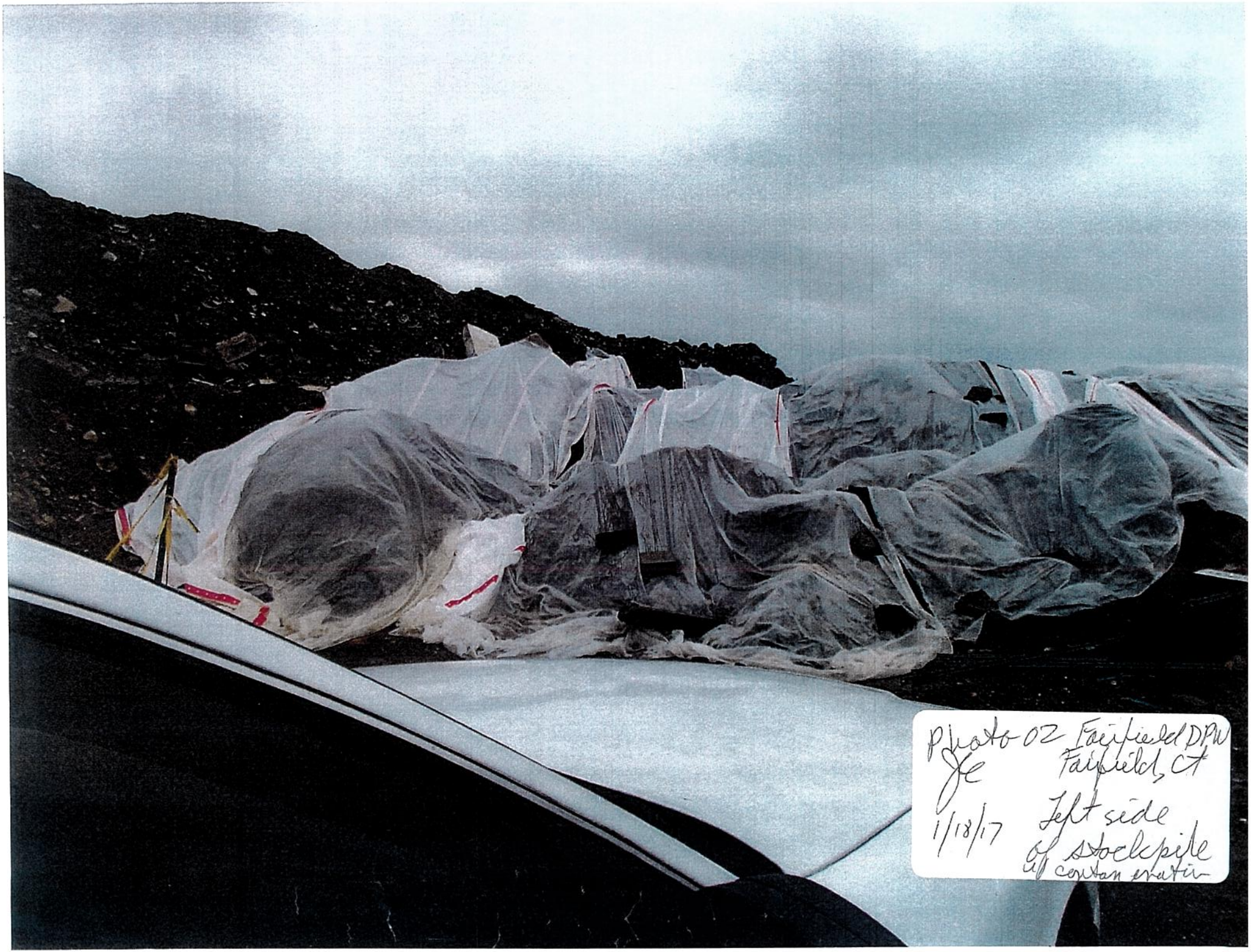


Photo 02 Fairfield DPW
Fairfield, CT
1/18/17 left side
of stockpile
of contaminated

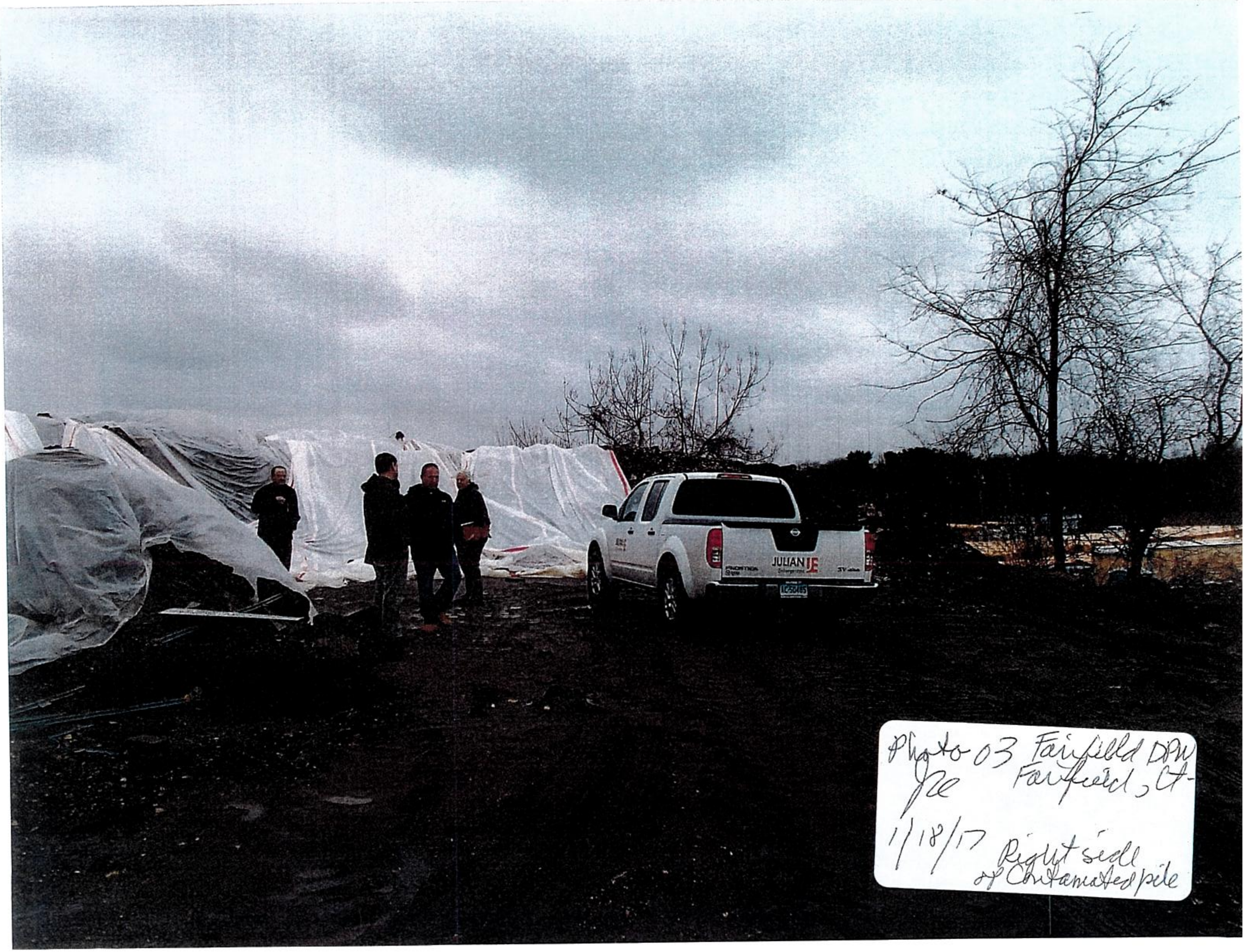
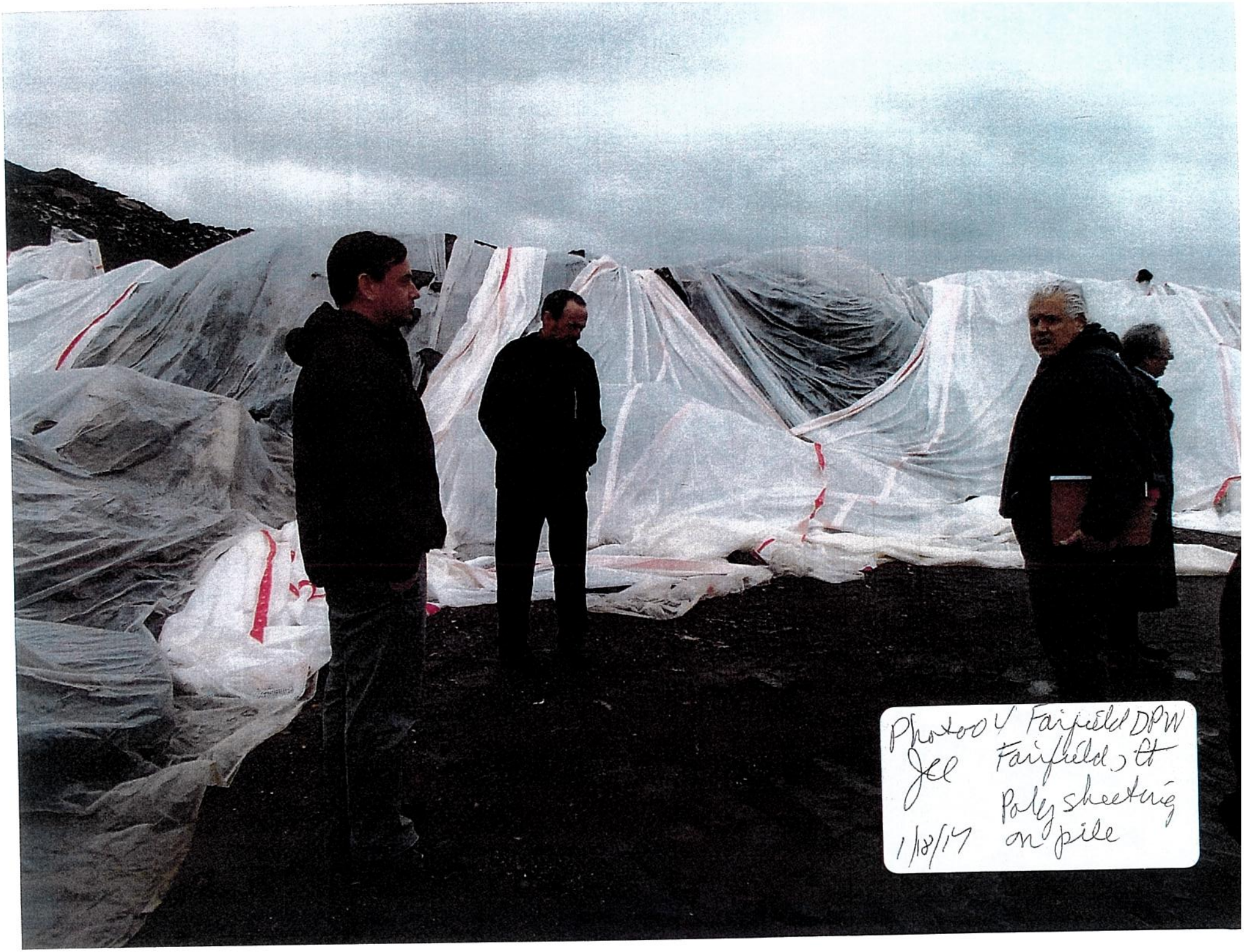


Photo-03 Fairfield DPW
JE Fairfield, Ct-
1/18/17 Right side
of Contaminated pile


Photos of Fairfield DPW
Jct Fairfield, Ct
Poly sheeting
1/18/17 on pile

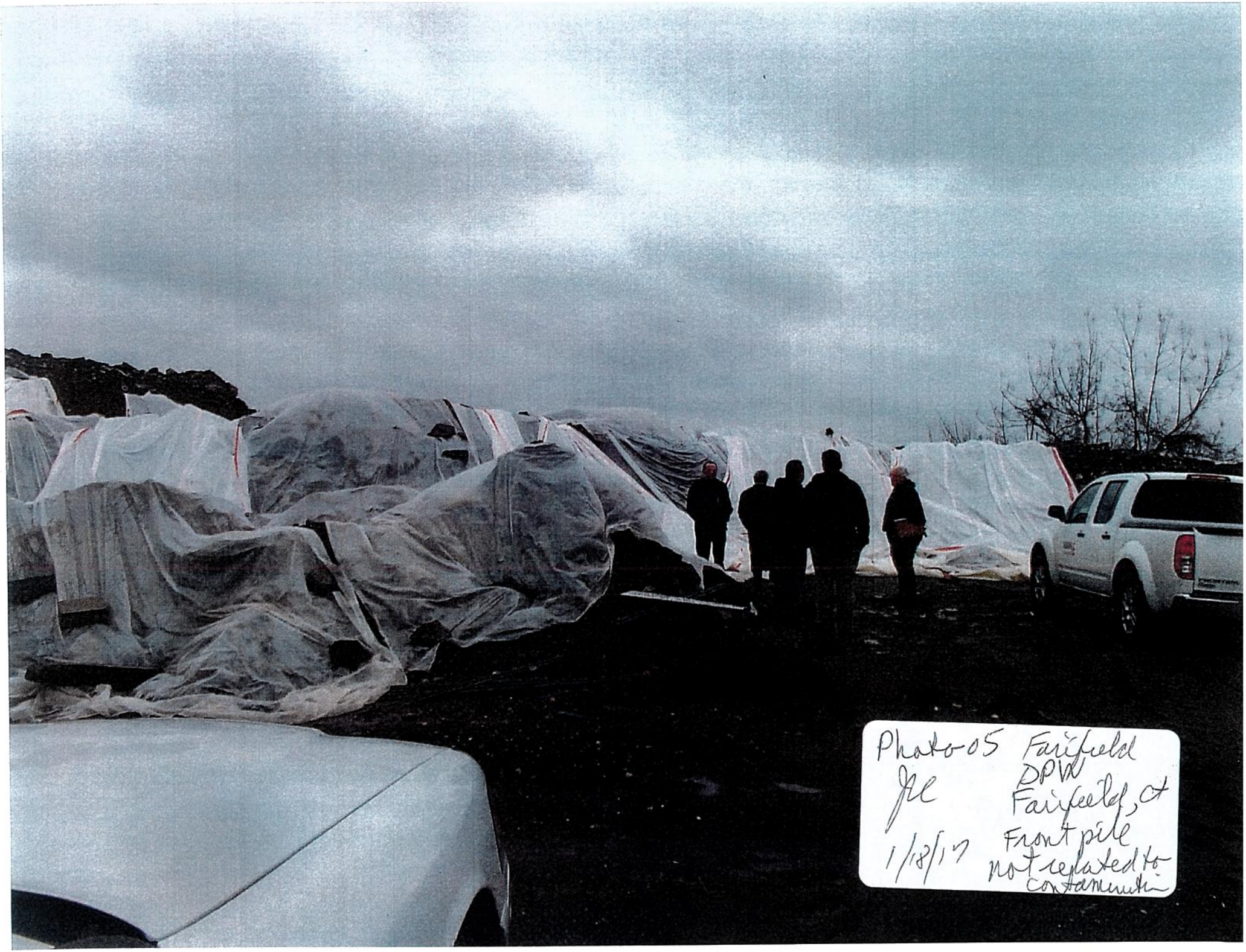


Photo-05
JLC
1/18/17
Fairfield
DPW
Fairfield, CT
Front pile
not related to
contamination


Photo06 Fairfield DPW
Fairfield, Ct.
Close-up of
1/18/17
new non-
contaminated material

Attachment 01

Kwiatkowski, Janet

From: Saliby, Lori
Sent: Thursday, December 15, 2016 3:55 PM
To: Kwiatkowski, Janet; Trombly, Gary
Subject: FW: Referral to PCBE, WEED and DPH Asbestos: Emergency Incident Report Case No. 201606764
Attachments: Fairfield2.png; Fairfield1.png

FYI

-----Original Message-----
From: Chandler, Jeff
Sent: Wednesday, December 14, 2016 3:43 PM
To: Saliby, Lori <Lori.Saliby@ct.gov>; Dews, George <George.Dews@ct.gov>; Dahlem, Stephen <Stephen.Dahlem@ct.gov>
Cc: Granillo, Mayra <Mayra.Granillo@ct.gov>; DeCaprio, Mark <Mark.DeCaprio@ct.gov>; Isner, Robert <Robert.Isner@ct.gov>
Subject: Referral to PCBE, WEED and DPH Asbestos: Emergency Incident Report Case No. 201606764

Please see the string of emails below. ERC Leclerc is discovering additional information as to current site activities. Feel free to contact him for further information, 860-982-7059. It seems the disposition of the construction debris from the Derby site is questionable and may be the debris that was observed at the site of the investigation. At this point, this appears to be an enforcement issue and no obvious need for an emergency response or emergency removal action. The ERU will relinquish the lead to your applicable programs, however, if you require assistance from us, feel free to contact me or Ken.

Thank you,

Jeff Chandler
Southern Region Supervisor
Emergency Response Unit
CT DEEP ERSPD
860-982-7068 Cell
860-424-3338 Emergency Dispatch

From: LeClerc, Kenneth
Sent: Wednesday, December 14, 2016 1:32:48 PM
To: Chandler, Jeff
Subject: Fw: Emergency Incident Report Case No. 201606764

Jeff,

As we discussed, a possible source for this dumped material is the brick structure in the Derby redevelopment area which burned down Thanksgiving weekend.

The only information I can obtain from the Town of Derby, who owned the property, was that F. Pepe construction demolished and disposed of the structure. F. Pepe is located on Commerce Drive in Derby.

The Fire Marshal has been unable ot obtain any records from the Building Inspector as to any sampling or AWP that may have occurred during, prior, or after the demolition process.

I also spoke to Carlos Sarmiento, who is the Town of Derby Building Official. He stated that he did not have any analytical or AWP for the site and that he knew where the material went. When I asked him where the disposal outlet was, he stated that he would tell me after he contacted the demolition company.

I will advise if I hear further.

Thanks,

Ken

From: LeClerc, Kenneth
Sent: Wednesday, December 14, 2016 10:43 AM
To: Chandler, Jeff
Subject: Re: Emergency Incident Report Case No. 201606764

Jeff,

Met on site with reporting party and Fairfield Town Attorney. There is obvious demolition debris in the area where the samples showing PCB and lead contamination. The LEP who obtained the samples is Cindy Knight of Logical Environmental Solutions. The reporting party has the sample results and will be forwarding them to CTDEEP.

I spoke to the operator of Julian Enterprises and asked for the manifests and any sampling data for the materials dumped there and he stated that all data was at their corporate headquarters and he would relay that information tot heir company attorney.

I also informed the town that they would need to make arrangements to have the affected area covered in poly as soon as possible and that no equipment could leave the site without proper testing to ensure it was free of contamination. This information was also relayed to Julian Enterprises.

Attached are photos of the area in question. Any questions please let me know.

Thanks,

Ken

From: Chandler, Jeff
Sent: Tuesday, December 13, 2016 2:51 PM
To: LeClerc, Kenneth
Cc: Granillo, Mayra; Welch, Thomas E
Subject: FW: Emergency Incident Report Case No. 201606764

918 is responding.

Thank you,

Jeff Chandler
Southern Region Supervisor
Emergency Response Unit
CT DEEP ERSPD

Attachment 02

Kwiatkowski, Janet

From: Saliby, Lori
Sent: Friday, December 16, 2016 2:00 PM
To: Kwiatkowski, Janet
Subject: FW: Emergency Incident Report Case No. 201606764
Attachments: EIR.pdf

-----Original Message-----
From: Chandler, Jeff
Sent: Friday, December 16, 2016 1:12 PM
To: Saliby, Lori <Lori.Saliby@ct.gov>
Cc: LeClerc, Kenneth <Kenneth.LeClerc@ct.gov>
Subject: FW: Emergency Incident Report Case No. 201606764

Address is attached.

Thank you,

Jeff Chandler
Southern Region Supervisor
Emergency Response Unit
CT DEEP ERSPD
860-982-7068 Cell
860-424-3338 Emergency Dispatch

From: Chandler, Jeff
Sent: Tuesday, December 13, 2016 2:51:03 PM
To: LeClerc, Kenneth
Cc: Granillo, Mayra; Welch, Thomas E
Subject: FW: Emergency Incident Report Case No. 201606764

918 is responding.

Thank you,

Jeff Chandler
Southern Region Supervisor
Emergency Response Unit
CT DEEP ERSPD
860-982-7068 Cell
860-424-3338 Emergency Dispatch

From: Welch, Thomas E
Sent: Tuesday, December 13, 2016 1:49:13 PM
To: DPS, MessageCenter; Chandler, Jeff
Subject: Emergency Incident Report Case No. 201606764

Complaint # 16-0654

Connecticut Department of Energy and Environmental Protection
Emergency Response and Spill Prevention Division
Emergency Incident Report

Case No.: 2016-06764
Staff Receiving Call: 209 WELCH, THOMAS **Assigned To:** 937 CHANDLER, JEFF
Date Reported: 12/13/2016 **Time Reported:** 13:46
Date of Release: 12/13/2016 **Time of Release:** UNKNOWN
Town of Release: FAIRFIELD **State of Release:** CT
Location of Reported Release: 1 RICHARD ~~WRIGHT~~ White WAY
Reported By: BRIAN CARRY **Phone:** (203) 727-2459 **Ext:**
Representing: TOWN
Responsible Party: **Phone:**
Street Address:
Town: **State:** **Zip Code:**
Does the Responsible Party Accept Financial Responsibility?
Release Type: HAZARDOUS WASTE
Release Substance: lead, pcbs
Media: GROUND SURFACE
Total Quantity: 0 **Gallons** 0 **Cubic Yards** 0 **Cubic Feet** 0 **Drums** 0 **Pounds**
Emergency Measures: reporting town refuse center has product with a high amount of lead and pcb's according to town tests taken on samples
Has the Release Been Terminated?: NO
Type of Waterbody Affected:
Name of Waterbody Affected:
Total Quantity Recovered: 0 **Total Quantity in Water:** 0
Corrective Actions Taken:

Discharge Class: COMMERCIAL
Cause of Incident: DUMPING
Agencies Notified: DEP DISPATCH
Status: OPEN

Attachment 03

Kwiatkowski, Janet

From: Carey, Brian <BCarey@fairfieldct.org>
Sent: Wednesday, January 11, 2017 9:29 AM
To: Kwiatkowski, Janet
Subject: Julian Reclamation Operation Richard White Way Fairfield CT
Attachments: Analytical Report.pdf; IMG_1369.jpg; IMG_1370.jpg; IMG_1371.jpg; IMG_1373.jpg; IMG_1365.jpg; IMG_1368.jpg; IMG_1366.jpg

Janet,

Please see the attached analytical report for the wipe samples that were collected from the Julian's equipment on Friday January 6th, 2016. They are requesting to remove all of the equipment offsite. The Town is going to request that they decon the Power Screen Maxtrak 1000 Cone Crusher even though the PCBs concentration collected from one of the wipe samples was below 10 u g/100 cm^2

Best regards,

Brian Carey, Conservation Director
Sullivan Independence Hall, Second Floor
725 Old Post Road
Fairfield, CT 06824
203-256-3071

On Friday 1/6/17 PCB wipe samples were conducted on five (5) pieces of equipment located at the subject location. As shown on the attached analytical data, PCB was not detected in the following equipment tested:

1. Komatsu WA-470 Wheel Loader
2. Komatsu WA-250 Wheel Loader
3. Komatsu PC-490 Excavator
4. Terex 24x44 Jaw Crusher.

Low level PCB was detected on the hammer of the Power Screen Maxtrak 1000 Cone Crusher. The PCB concentration was 1.4 ug/100 cm^2.
The detected concentration of PCB is substantially below the threshold limit of 10.0 ug/100 cm^2. Based on this data, the equipment can be safely removed from the facility.
Please call me with any questions.

Regards, Mike

Michael R. Granata, LEP
Principal
GO Environmental. LLC
203 Broad Street, Suite C-10
Milford, Connecticut 06460
Office: 203.876.1007
Cell: 203.606.7735
email: mikeg@go-environmental.com

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: WIPE
Location Code: F&OENVIRPCB
Rush Request: 24 Hour
P.O.#: 20161049A3E

Custody Information

		Date	Time
Collected by:	BH	01/06/17	10:10
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

SDG ID: GBX17269
Phoenix ID: BX17269

Laboratory Data

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PSMCC-BELT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	88		%	2	01/09/17	AW	30 - 150 %
% TCMX	69		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PSMCC-BELT

Phoenix I.D.: BX17269

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: WIPE
Location Code: F&OENVIRPCB
Rush Request: 24 Hour
P.O.#: 20161049A3E

Custody Information

		Date	Time
Collected by:	BH	01/06/17	10:13
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17270

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PSMCC-HAMMER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	1.4	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	86		%	2	01/09/17	AW	30 - 150 %
% TCMX	41		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PSMCC-HAMMER

Phoenix I.D.: BX17270

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: WIPE
Location Code: F&OENVIRPCB
Rush Request: 24 Hour
P.O.#: 20161049A3E

Custody Information

		Date	Time
Collected by:	BH	01/06/17	10:20
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17271

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-TPJC-BELT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	2	01/09/17	AW	30 - 150 %
% TCMX	88		%	2	01/09/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: WIPE
Location Code: F&OENVIRPCB
Rush Request: 24 Hour
P.O.#: 20161049A3E

Custody Information

		Date	Time
Collected by:	BH	01/06/17	10:25
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17272

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-TPJC-UNDER-LOADER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	81		%	2	01/09/17	AW	30 - 150 %
% TCMX	56		%	2	01/09/17	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information	
Matrix:	WIPE
Location Code:	F&OENVIRPCB
Rush Request:	24 Hour
P.O.#:	20161049A3E

Custody Information		Date	Time
Collected by:	BH	01/06/17	10:40
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17273

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA250-WHEEL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C	
Polychlorinated Biphenyls								
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A	
QA/QC Surrogates								
% DCBP	25		%	2	01/09/17	AW	30 - 150 %	3
% TCMX	13		%	2	01/09/17	AW	30 - 150 %	3

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA250-WHEEL

Phoenix I.D.: BX17273

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

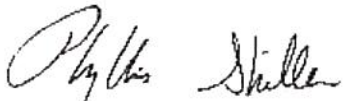
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

PCB Comment:
Poor surrogate recovery was observed for PCBs. Insufficient sample for re-extraction.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:	BH	01/06/17	10:45
Location Code:	F&OENVIRPCB	Received by:	SW	01/06/17	14:36
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20161049A3E				

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17274

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA250-BUCKET

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	85		%	2	01/09/17	AW	30 - 150 %
% TCMX	49		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA250-BUCKET

Phoenix I.D.: BX17274

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information	
Matrix:	WIPE
Location Code:	F&OENVIRPCB
Rush Request:	24 Hour
P.O.#:	20161049A3E

Custody Information		Date	Time
Collected by:	BH	01/06/17	11:00
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17275

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA470-WHEEL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	84		%	2	01/09/17	AW	30 - 150 %
% TCMX	59		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA470-WHEEL

Phoenix I.D.: BX17275

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:	BH	01/06/17	11:15
Location Code:	F&OENVIRPCB	Received by:	SW	01/06/17	14:36
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20161049A3E				

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17276

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA470-WHEEL-D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	74		%	2	01/09/17	AW	30 - 150 %
% TCMX	62		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA470-WHEEL-D

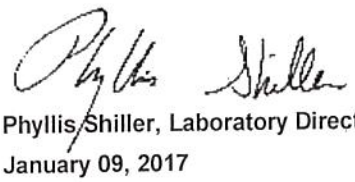
Phoenix I.D.: BX17276

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix:	WIPE
Location Code:	F&OENVIRPCB
Rush Request:	24 Hour
P.O.#:	20161049A3E

Custody Information

		Date	Time
Collected by:	BH	01/06/17	11:30
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17277

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA470-BUCKET

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	66		%	2	01/09/17	AW	30 - 150 %
% TCMX	42		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-WA470-BUCKET

Phoenix I.D.: BX17277

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:	BH	01/06/17	11:40
Location Code:	F&OENVIRPCB	Received by:	SW	01/06/17	14:36
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20161049A3E				

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17278

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PC490-TREAD

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	55		%	2	01/09/17	AW	30 - 150 %
% TCMX	30		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PC490-TREAD

Phoenix I.D.: BX17278

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:	BH	01/06/17	11:45
Location Code:	F&OENVIRPCB	Received by:	SW	01/06/17	14:36
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20161049A3E				

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17279

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PC490-BUCKET

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	81		%	2	01/09/17	AW	30 - 150 %
% TCMX	77		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PC490-BUCKET

Phoenix I.D.: BX17279

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 09, 2017

FOR: Attn: Karron Redfield
Fuss & O'Neill EnviroScience, LLC
145 Hartford Road
Manchester, CT 06040

Sample Information	
Matrix:	WIPE
Location Code:	F&OENVIRPCB
Rush Request:	24 Hour
P.O.#:	20161049A3E

Custody Information		Date	Time
Collected by:	BH	01/06/17	11:50
Received by:	SW	01/06/17	14:36
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBX17269
Phoenix ID: BX17280

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PC490-BL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				01/06/17	BB/IR	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1221	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1232	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1242	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1248	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1254	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1260	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1262	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
PCB-1268	ND	1.0	ug/100cm2	2	01/09/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	2	01/09/17	AW	30 - 150 %
% TCMX	46		%	2	01/09/17	AW	30 - 150 %

Project ID: RECLAMATION YARD
Client ID: 2017-0106BH-PC490-BL

Phoenix I.D.: BX17280

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
January 09, 2017
Official Report Release To Follow

Criteria: None

State: CT

Sample Criteria Exceedances Report

GBX17269 - FOENVIRPCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

2 cans
IP

FUSS & O'NEILL
(860) 646-2469 • www.FandO.com

☐ 146 Hartford Road, Manchester, CT 06040
☒ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201
☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 401 Washington Street, Suite 501, Poughkeepsie, NY
☐ Other

CHAIN-OF-CUSTODY RECORD 36528

Turnaround
☒ 24 Hours ☐ 72 Hours ☐ Other ___ (days)
☐ 48-Hours ☐ Standard ( ) days Surcharge Applies

PROJECT NAME: Reclamation Yard -
PROJECT LOCATION: 1 Richard White Way, Fairfield, CT
PROJECT NUMBER: 20161049-ASE
LABORATORY: Phoenix

REPORT TO: E. Marques / K. Readfield
INVOICE TO: S. Owens
P.O. No.: 20161049.ASE

Sampler's Signature: B Holburn Date: 1-6-17

Source Codes:
MW=Monitoring Well PW=Potable Water T=Treatment Facility B=Sediment
SW=Surface Water ST=Stormwater W=Waste A=Air O=Solid

X=Other WIPE (PCBs)

Analysis Request / Containers

Item No.	Transfer Check 1 2 3 4	Sample Number 20170106Bit	Source Code	Date Sampled	Time Sampled	PCB 35421/8082	Soil VOA Vial ☐ Methanol	Soil VOA Vial ☐ Sodium Bisulfate	Glass Soil Container ☐ Na2S2O3	Other	Other	Glass VOA Vial ☐ ascorbic ☐ HCl	Glass Amber 1 mL ☐ NaF ☐ EDTA	Plastic 8oz. ☐ 250 ml ☐ Na2S2O3	Plastic HNO3 ☐ 250 ml ☐ 500 ml	Plastic NaOH, 250 ml ☐ Filtered ☐ 0.45u ☐ Tip	Comments
1	✓	PSMCC-BELT	X	1-6-17	1010	✓	17209							1			
2	✓	PSMCC-HAMMER			1013	✓	17210							1			
3	✓	TPJC-BELT			1020	✓	17211							1			
4	✓	TPJC-UNDERLOADER			1025	✓	17212							1			
5	✓	WA250-WHEEL			1040	✓	17213							1			BACK RIGHT
6	✓	WA250-BUCKET			1045	✓	17214							1			BOTTOM BACK
7	✓	WA470-WHEEL			1100	✓	17215							1			FRONT BACK
8	✓	WA470-WHEEL-D			1115	✓	17216							1			BOTTOM BACK
9	✓	WA470-BUCKET			1130	✓	17217							1			BOTTOM BACK
10	✓	BG460-TREAD			1140	✓	17218							1			

Transfer Number	Relinquished By	Accepted By	Date	Time
1	B.H.	[signature]	1-6-17	1300
2	[signature]	[signature]	1-6-17	1436
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other
Duplicates ___ Blanks (Item Nos. ___)
Reporting and Detection Limit Requirements: ☐ RCP Deliverables ☐ MCP CAM Cert.
≤ 1 PPM 45 /cm²
Additional Comments:

2 [illegible]

FUSS & O'NEILL
860.646.2469 • www.FandO.com

☐ 146 Hartford Road, Manchester, CT 06040
☒ 56 Quarry Road, Trumbull, CT 06611
☐ 1419 Richland Street, Columbia, SC 29201

☐ 78 Interstate Drive, West Springfield, MA 01089
☐ 317 Iron Horse Way, Suite 204, Providence, RI 02908
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY

☐ Other ______

CHAIN-OF-CUSTODY RECORD 36529

☒ 24-Hour* ☐ 72-Hour* ☐ Other ____ (days)
☐ 48-Hour* ☐ Standard (__ days) *Surcharge Applies

PROJECT NAME: Reclamation Yard
PROJECT LOCATION: 1 Richard White Way, Fairfield, CT
PROJECT NUMBER: 20161049.A3E
LABORATORY: Phoenix

REPORT TO: E. Marques / R. Rewlfield
INVOICE TO: S. Owens
P.O. No.: 20161049.A3E
Sampler's Signature: B. Holbura Date: 1-6-17

Source Codes: MW=Monitoring Well, PW=Potable Water, T=Treatment Facility, S=Soil, B=Sediment, SW=Surface Water, ST=Stormwater, W=Waste, A=Air, C=Concrete, X=Other: Wipe (PCBs)

Analysis Request: PCBs 3540C/8082

Containers: Soil VOA Vial ☐ methanol; Soil VOA Vial ☐ water; Glass Soil Container; Other; Other: ☐ Na2SO4 4 oz; Water VOA Vial ☐ MeOH ☐ HCl; Glass Amber ☐ 1 ml ☐ Acid ☐ H2SO4; Plastic ☐ 250 ml ☐ 500 ml ☐ 1000 ml; Plastic H2SO4 250 ml ☐ 500 ml; Plastic HNO3 250 ml ☐ Filtered ☐ 0.45µ ☐ Un; Plastic NaOH 250 ml

Item No.	Transfer Check 1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	PCBs 3540C/8082	Other	Containers	Comments
					20170106BH							
11	✓				1 RE490-BUCKET	X	1-6-17	1145	✓	1	17779	Side wall
12	✓				1 RE490-BL	X	1-6-17	1150	✓	1	17780	

Transfer Number	Relinquished By	Accepted By	Date	Time
1	B.H.	[signature]	1-6-17	1300
2	[signature]	[signature]	1-6-17	14:36
3				
4				

Charge Exceptions: ☐ CT Tax Exempt ☐ QA/QC ☐ Other
Duplicates ____ Blanks (Lots No.:)

Reporting and Detection Limit Requirements: ☐ RCP Deliverables ☐ MCP CAM Cert.
≤ 1 PPM ug/cm²

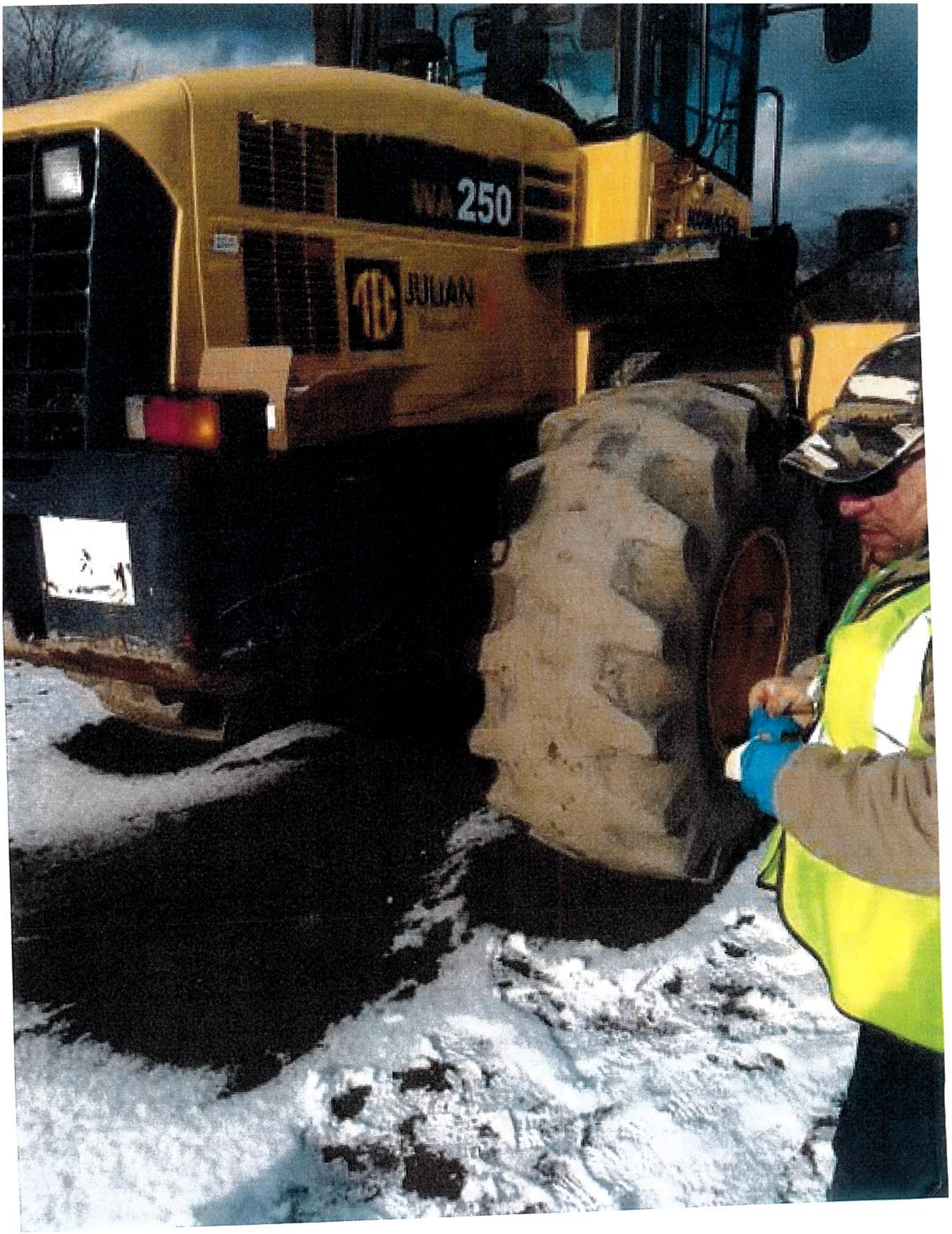
Additional Comments:


ADVANCED CRUSHING TECHNOLOGY
TEREX | PEGSON
26 x 44


POWERSCREEN
POWERSCREEN
POWERSCREEN
POWERSCREEN
1000 MAXTRAK


WA47
JUAN


WA250
KOMATSU
JULIAN
Enterprises


250
JULIAN

Attachment 04

Kwiatkowski, Janet

From: Carey, Brian <BCarey@fairfieldct.org>
Sent: Wednesday, January 11, 2017 3:49 PM
To: Kwiatkowski, Janet
Subject: RE: Julian Reclamation Operation Richard White Way Fairfield CT
Attachments: Nov 29_Inspection.pdf; Nov 29 Observations.pdf

Janet,

Please see the attached as requested.

Best regards,

Brian Carey, Conservation Director
Sullivan Independence Hall, Second Floor
725 Old Post Road
Fairfield, CT 06824
203-256-3071

From: Kwiatkowski, Janet [mailto:Janet.Kwiatkowski@ct.gov]
Sent: Wednesday, January 11, 2017 3:21 PM
To: Carey, Brian
Subject: RE: Julian Reclamation Operation Richard White Way Fairfield CT

Do you have any photos of the contaminated pile of debris? Also, can you please send us the results taken by Cindy at the end of last year.

From: Carey, Brian [mailto:BCarey@fairfieldct.org]
Sent: Wednesday, January 11, 2017 9:29 AM
To: Kwiatkowski, Janet <Janet.Kwiatkowski@ct.gov>
Subject: Julian Reclamation Operation Richard White Way Fairfield CT

Janet,

Please see the attached analytical report for the wipe samples that were collected from the Julian's equipment on Friday January 6th, 2016. They are requesting to remove all of the equipment offsite. The Town is going to request that they decon the Power Screen Maxtrak 1000 Cone Crusher even though the PCBs concentration collected from one of the wipe samples was below 10 u g/100 cm^2

Best regards,

Brian Carey, Conservation Director
Sullivan Independence Hall, Second Floor
725 Old Post Road
Fairfield, CT 06824
203-256-3071

On Friday 1/6/17 PCB wipe samples were conducted on five (5) pieces of equipment located at the subject location. As shown on the attached analytical data, PCB was not detected in the following equipment tested:

1. Komatsu WA-470 Wheel Loader
2. Komatsu WA-250 Wheel Loader
3. Komatsu PC-490 Excavator
4. Terex 24x44 Jaw Crusher.

Low level PCB was detected on the hammer of the Power Screen Maxtrak 1000 Cone Crusher. The PCB concentration was 1.4 ug/100 cm^2.
The detected concentration of PCB is substantially below the threshold limit of 10.0 ug/100 cm^2. Based on this data, the equipment can be safely removed from the facility.
Please call me with any questions.

Regards, Mike

Michael R. Granata, LEP
Principal
GO Environmental. LLC
203 Broad Street, Suite C-10
Milford, Connecticut 06460
Office: 203.876.1007
Cell: 203.606.7735
email: mikeg@go-environmental.com

Logical Environmental Solutions LLC

354 South River Road Tolland, CT 06084 Tel: (860) 870-1780 Fax: (860) 870-1778

December 14, 2016

Mr. Joseph Michelangelo, P.E.
Director of Public Works
Town of Fairfield
725 Old Post Road
Fairfield, Connecticut 06824

Re: November 29, 2016 Environmental Sampling Inspection
Julian Reclamation Yard
One Rod Highway
Fairfield, Connecticut

Joe:

On November 29, 2016, Logical Environmental Solutions, LLC personnel Wayne Lineberry and myself performed the tenth weekly environmental sampling inspection of the Fairfield Reclamation Yard operated by Julian Enterprises. We arrived at the gate at approximately 6:45 am, entered the yard, and reached the top of the main pile at approximately 6:50 am. Overall site observations were made from the top of the pile to compare to the previous weeks' inspections.

During the time period from approximately 7:00 am to 7:25 am, two triaxle dump trucks with the Julian Enterprises name on the cab doors were observed entering the yard and dumping soil along the edge of an existing pile to the northeast of the main pile. One of the trucks was all blue, and the second truck had a white cab. The only reason we made note of this was because we had never witnessed any Julian Enterprise triaxle truck activity in this area of the site during our previous nine inspections. The only activity previously observed on this portion of the property consisted of Town of Fairfield trucks dumping material either on the top of the main pile, or along the eastern edges of the main pile, and the Julian payloader moving soil.

No additional details were noted, except that we decided to collect a soil sample (sample S-10) after examining the soil deposited by the Julian trucks. The soil was dark brown to gray-brown in color, did not have an odor, but produced a slight reading on the photoionization detector (PID) of 6 parts per million total volatile organic compounds (VOCs). At the time of sampling, we did not observe any asphalt or concrete in the soil that would be indicative of coming from a roadway construction project.

We left the site at approximately 7:45 am after collecting the sample and taking additional photographs for the inspection records.

Sincerely,
Logical Environmental Solutions

Cindy Knight

Cindy Knight, LEP
President

SUMMARY OF RECLAMATION YARD INSPECTION

Week No.: 10 Inspection Date: November 29, 2016

Logical Environmental Solutions, LLC (LES) visited the Reclamation Yard operated by Julian Enterprises located at the end of Richard White Way in Fairfield for the tenth weekly inspection on November 29, 2016. Two soil samples (S-9 and S-10) were collected for laboratory analyses during this inspection and a site sketch is provided to depict their approximate locations. The field inspection noted that Julian made significant progress removing a large quantity of material from the southern face of the pile. The flat area on the top of the main pile was smaller and there appeared to be newer material added to the previously observed mounds of soil and asphalt that formed a u-shaped ring.

The S-9 soil sample was collected from the southern side of the u-shaped ring from material that appeared to be newly placed. This soil did not contain any odors or elevated volatile organic compound (VOC) readings detected by the photoionization detector (PID), but was darker in color and appeared to contain more organic material versus the typical "road-construction" soil and debris that formed the adjacent smaller piles.

In addition, at the time of the inspection, two Julian Enterprises triaxle dump trucks (one blue and one white truck) were observed bringing in soil and dumping it along the northeastern side of the main pile. The November 10, 2016 inspection also noted newly placed soil in this area and LES previously collected a soil sample (S-8) for laboratory analyses. Since November 10, 2016, additional larger slabs of asphalt and concrete had been added to this area. The soil being placed onsite on November 29, 2016 appeared to be dark brown to dark gray and did not look like soil from a road-way construction project. The soil contained low detectable VOC readings when screened with the PID and sample S-10 was collected for laboratory analyses. The S-9 and S-10 soil samples were analyzed at Phoenix Environmental Laboratories, Inc. for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), petroleum hydrocarbons, polychlorinated biphenyls (PCBs), pesticides, and leachable (via the Toxicity Characteristic Leaching Procedure [TCLP]) CTDEEP 15 metals. The table on the following page summarizes the results of the S-9 and S-10 sample analyses and a copy of the laboratory report is included at the end of this memorandum.

The S-9 soil sample did not contain detectable concentrations of VOCs, PCBs, and pesticides. However the sample did contain elevated concentrations of petroleum hydrocarbons (760 milligrams per kilogram [mg/kg]) and several petroleum-based and plasticizer SVOCs that exceed their respective CTDEEP Pollutant Mobility Criteria (PMC) for a GB groundwater area, Residential Direct Exposure Criteria (DEC), and Commercial/Industrial DEC. The S-9 soil sample also contained a slightly elevated concentration of leachable lead (0.2 milligrams per liter [mg/L]) that exceeds it CTDEEP PMC of 0.15 mg/L.

The S-10 soil sample contained petroleum-based VOCs at low concentrations that do not exceed any CTDEEP numerical criteria. The sample did not contain detectable concentrations of petroleum hydrocarbons or pesticides, but the laboratory detection limits for several individual pesticides exceeded their respective CTDEEP numerical criteria. Therefore, it is possible that these compounds may be present at elevated concentrations exceeding their respective CTDEEP PMC and Residential DEC. Several phthalates (plasticizers) and petroleum-based SVOCs were detected in the soil sample at low to moderate concentrations that exceed the CTDEEP PMC, Residential DEC, and Commercial/Industrial DEC. The sample also contained PCBs at an elevated concentration of 6.8 mg/kg, which exceeds the CTDEEP's Residential DEC of 1 mg/kg but not the Commercial/Industrial DEC of 10 mg/kg. The S-10 soil sample also contained leachable lead (10.6 mg/L) and cadmium (0.051 mg/L) at elevated concentrations that exceed their respective CTDEEP PMC of 0.15 mg/L and 0.05 mg/L. The leachable lead concentration also exceeds the Environmental Protection Agency's (EPA) Resource Conservation and Recovery Act (RCRA) hazardous waste concentration of 5.0 mg/L. No other leachable metals were detected at elevated concentrations exceeding any CTDEEP or EPA numerical criteria.

Based upon the detections of elevated concentrations of PCBs in the S-10 soil sample collected from the northeastern side of the main pile, the EPA's Toxic Substances Control Act (TSCA) regulations under 40 CFR Part 761 would likely apply. Julian personnel with knowledge of the source of this contaminated fill should also be interviewed so that the potential quantity and PCB-source can be identified to assist in determining how much material was placed on the Town property. It is recommended that additional sampling be conducted to determine the extent and degree of the PCB-impacted soil in this area so it can be properly managed in accordance with the applicable TSCA and State regulations.

In addition, based upon the elevated concentrations of leachable lead detected in the S-10 soil sample, the soil would be considered a hazardous waste. Special provisions for worker health and safety, transportation, and disposal of this soil will be required to comply with Federal and State OSHA, DOT, and RCRA regulations.

Photographs on the following page display the observations made during the November 29, 2016 inspection. Please call or email with any questions.

Cindy Knight

Cindy Knight, LEP
Logical Environmental Solutions, LLC
Office: 860-870-1780
Mobile: 860-402-7069
Email: ck@logicalenvironmental.com

Soil Samples Collected November 29, 2016
Reclamation Yard – Fairfield, Connecticut

Sample I.D.:	S-9	S-10	CTDEEP PMC GB Groundwater Area	CTDEEP DEC Residential/Commercial & Industrial	RCRA Hazardous Waste Concentration
CT ETPH - (mg/kg)	**760**	ND (< 280)	2,500 mg/kg	500/2,500 mg/kg	--
VOCs - Method 8260 (mg/kg)					
1,2,4-Trimethylbenzene	ND (< 0.55)	0.085	28 mg/kg (APS)	500/1,000 mg/kg (APS)	--
1,3,5-Trimethylbenzene	ND (< 0.55)	0.034	28 mg/kg (APS)	500/1,000 mg/kg (APS)	--
Ethylbenzene	ND (< 0.0074)	0.025	10.1 mg/kg	500/1,000 mg/kg	--
Naphthalene	ND (< 0.55)	0.44	56 mg/kg	1,000/2,500 mg/kg	--
n-Propylbenzene	ND (< 0.55)	0.0063	10 mg/kg (APS)	500/1,000 mg/kg (APS)	--
p-Isopropyltoluene	ND (< 0.55)	0.0065	5 mg/kg (APS)	500/1,000 mg/kg (APS)	--
Xylenes (total)	ND (< 0.0074)	0.115	19.5 mg/kg	500/1,000 mg/kg	--
All Other VOCs Tested	ND	ND	--	--	--
SVOCs - Method 8270 (mg/kg)					
Acenaphthylene	ND (< 0.3)	0.35	84 mg/kg	1,000/2,500 mg/kg	--
Anthracene	0.58	0.49	400 mg/kg	1,000/2,500 mg/kg	--
Benzo(a)anthracene	**2.3**	**1.2**	1 mg/kg	1/7.8 mg/kg	--
Benzo(a)pyrene	**2.5**	**1.4**	1 mg/kg	1/1 mg/kg	--
Benzo(b)fluoranthene	**3.3**	**1.3**	1 mg/kg	1/7.8 mg/kg	--
Benzo(g,h,i)perylene	**1.6**	0.96	1 mg/kg (APS)	8.4/78 mg/kg (APS)	--
Benzo(k)fluoranthene	**2.1**	**1.1**	1 mg/kg	8.4/78 mg/kg	--
Benzyl Butyl Phthalate	ND (< 0.3)	0.41	200 mg/kg	1,000/2,000 mg/kg	--
Bis(2-ethylhexylphthalate)	0.33	1.3	200 mg/kg	1,000/2,000 mg/kg	--
Chrysene	**3.3**	**1.4**	1 mg/kg (APS)	84/780 mg/kg (APS)	--
Dibenz(a,h)anthracene	0.45	ND (< 0.26)	1 mg/kg (APS)	1/1 mg/kg (APS)	--
Fluoranthene	6.0	2.9	56 mg/kg	1,000/2,500 mg//kg	--
Fluorene	0.38	0.26	56 mg/kg	1,000/2,500 mg/kg	--
Indeno(1,2,3-cd)pyrene	**1.8**	0.98	1 mg/kg (APS)	1/7.8 mg/kg (APS)	--
Phenanthrene	3.8	1.9	40 mg/kg	1,000/2,500 mg/kg	--
Pyrene	5.0	2.8	40 mg/kg	1,000/2,500 mg/kg	--
All other SVOCs Tested	ND	ND	--	--	--
Total PCBs – Method 8082 (mg/kg)	ND (< 0.42)	**6.8**	Not Applicable	1/10 mg/kg	--
Pesticides – Method 8081A (mg/kg)	ND	**ND***	--	--	--
TCLP DEEP 15 Metals (mg/L)				Not Applicable	
Barium	0.3	1.63	10 mg/L		100 mg/L
Cadmium	ND (< 0.05)	**0.051**	0.05 mg/L		1.0 mg/L
Copper	ND (< 0.1)	1.26	13 mg/L		--
Nickel	ND (< 0.1)	0.18	1.0 mg/L		--
Lead	**0.2**	**10.6**	0.015 mg/L		5.0 mg/L
Zinc	1.57	20.5	50 mg/L		--

ND – Not Detected above laboratory detection limits.

PMC – Pollutant Mobility Criteria

DEC – Direct Exposure Criteria

APS – Additional Polluting Substance

* The laboratory detection limits for several pesticides exceeded their respective CTDEEP criteria.

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits. Concentrations displayed in bold red font exceed the CTDEEP Remediation Standard Regulation criteria.

November 29, 2016 Inspection Notes:

Red dashed line is approximate extent of material removed from pile.

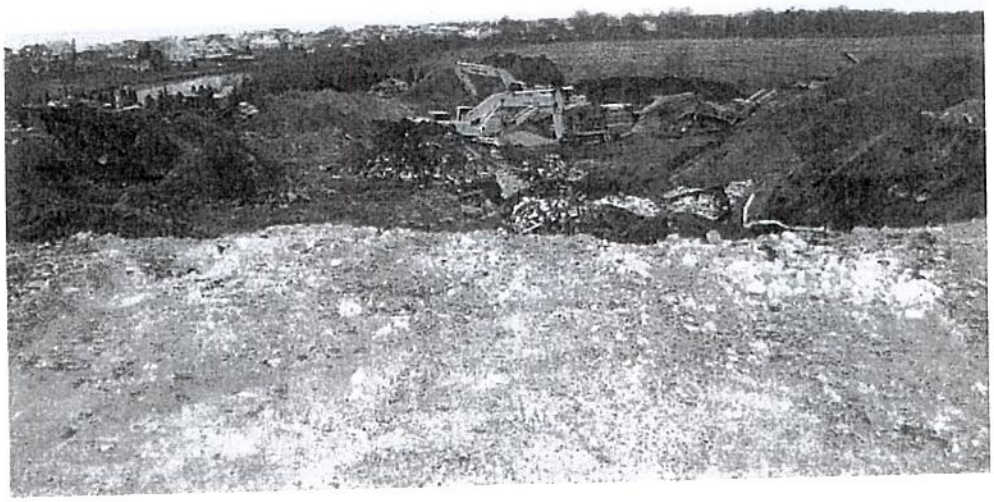
⊕ Approximate location of soil sample.

Town of Fairfield
Dept. of Public Works

Construction Material Processing Facility
Richard White Way
Fairfield, CT

DRAWN BY: jkls
DATE: March 20, 2013
SCALE: 1"=100'

CHK'D BY: M.A.
FILE NO: 3340
MAP NO:

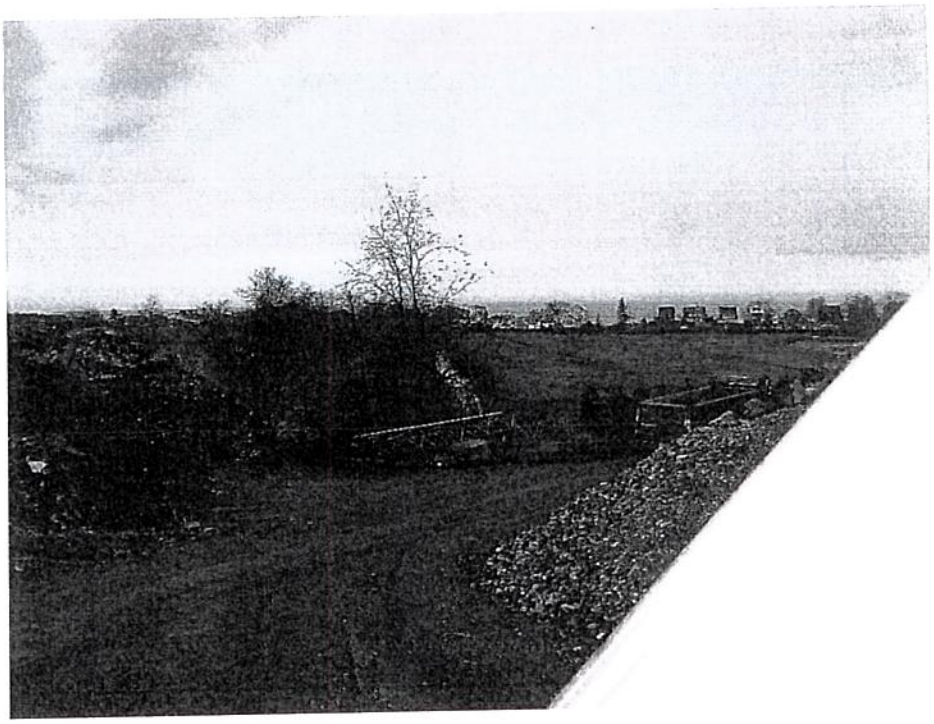


View of Julian crushing and screening operations taken from the top of the main pile facing south.

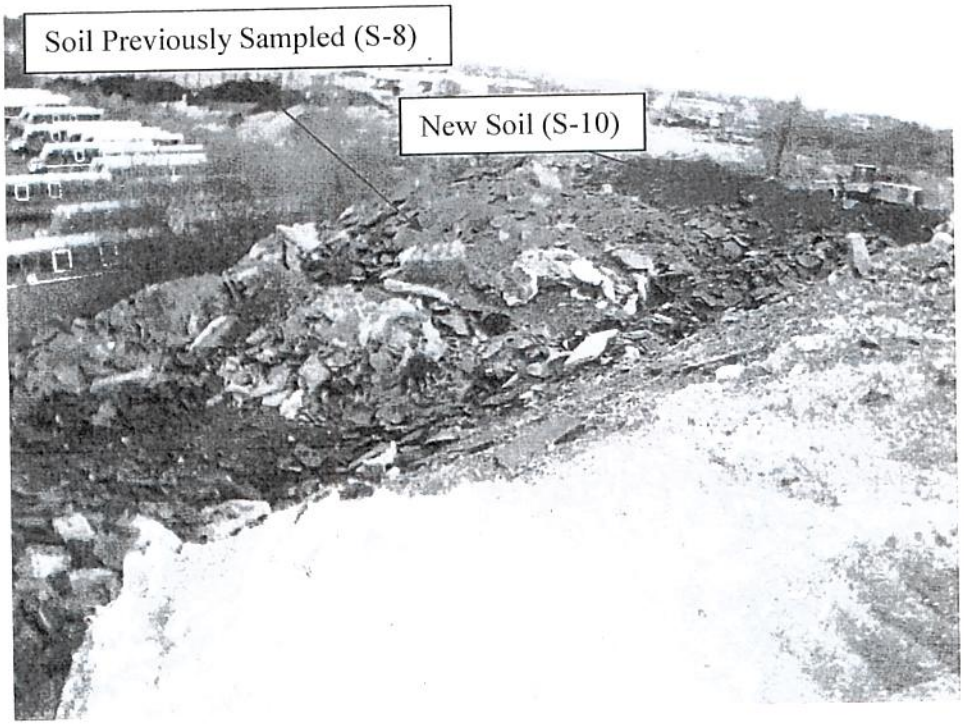
View from top of main pile facing southwest.

View from the top of the pile facing southwest.

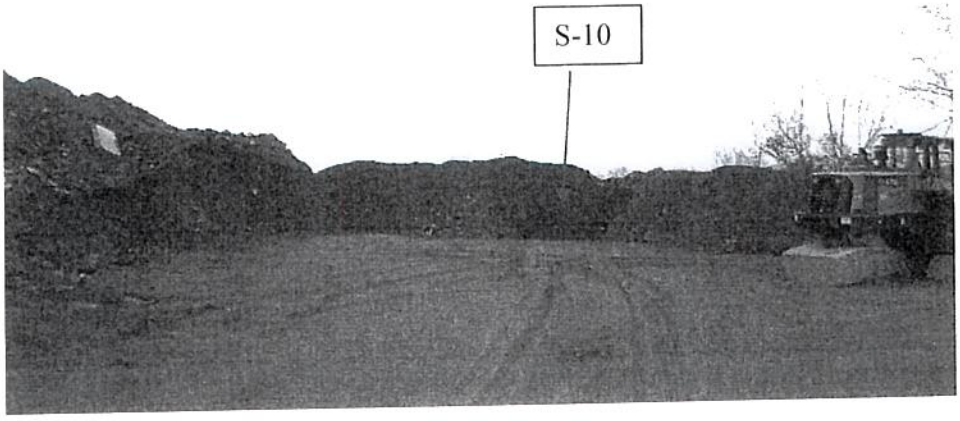
Approximate location of S-9 soil sample collected from the south side of the newly placed soil on the top of the pile.



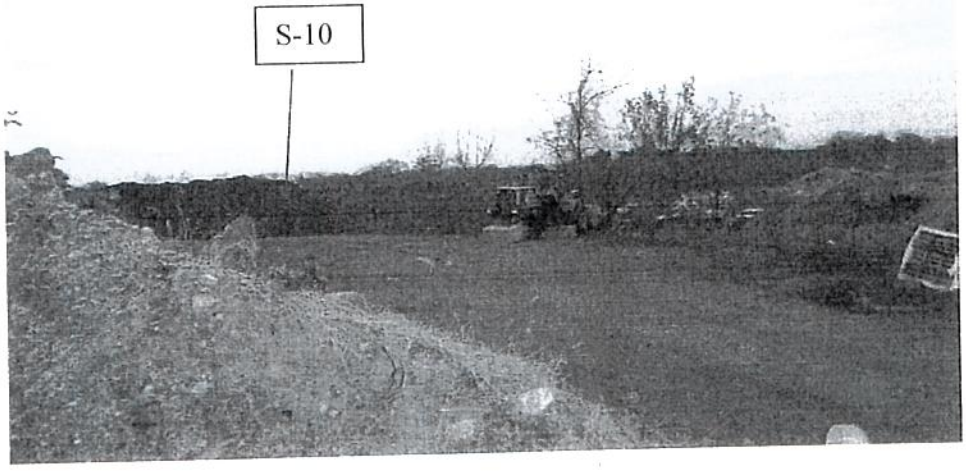
Blue triaxle dump truck backing up to dump soil on northeastern side of main pile. The soil being dumped was placed onsite at approximately 7:20 am.



View from southern side of main pile top facing southwest showing darker colored newly placed soil.



Newly placed soil that was brought in by Julian and collected as the S-10 soil sample.



Newly placed soil that was brought in by Julian and collected as the S-10 soil sample.

PHOENIX
Environmental Laboratories, Inc.

Thursday, December 08, 2016

Attn: Cindy Knight
Logical Environmental Solutions
354 South River Rd.
Tolland, CT 06084

Project ID: FAIRFIELD RECLAMATION YARD
Sample ID#s: BV90953 - BV90954

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 08, 2016

FOR: Attn: Cindy Knight
Logical Environmental Solutions
354 South River Rd.
Tolland, CT 06084

Sample Information

Matrix: SOIL
Location Code: LOGIC-DAS
Rush Request: Standard
P.O.#:

Custody Information

		Date	Time
Collected by:		11/29/16	7:00
Received by:	SW	11/29/16	11:49
Analyzed by:	see "By" below		

Laboratory Data

SDG ID: GBV90953
Phoenix ID: BV90953

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Arsenic	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Barium	0.30	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Beryllium	< 0.040	0.040	mg/L	1	11/30/16	TH	SW6010C
TCLP Cadmium	< 0.050	0.050	mg/L	1	11/30/16	TH	SW6010C
TCLP Chromium	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Copper	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	11/30/16	RS	SW7470A
TCLP Nickel	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Lead	0.20	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Antimony	< 0.060	0.060	mg/L	1	11/30/16	TH	SW6010C
TCLP Selenium	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Thallium	< 0.050	0.050	mg/L	1	11/30/16	TH	SW6010C
TCLP Vanadium	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Zinc	1.57	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Metals Digestion	Completed				11/30/16	Q/Q	SW3005A
Percent Solid	78		%		11/29/16	Q	SW846-%Solid
Soil Extraction for PCB	Completed				11/29/16	JJ/V	SW3545A
Soil Extraction for Pesticide	Completed				11/29/16	JJ/V	SW3545A
Soil Extraction for SVOA	Completed				11/29/16	JJ/CKV	SW3545A
Extraction of CT ETPH	Completed				11/29/16	XC/CKV	SW3545A
TCLP Digestion Mercury	Completed				11/30/16	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				11/29/16	Q	SW1311
Field Extraction	Completed				11/29/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	760	320	mg/Kg	5	12/01/16	JRB	CTETPH 8015D
Identification	**		mg/Kg	5	12/01/16	JRB	CTETPH 8015D

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-9

Phoenix I.D.: BV90953

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates							
% n-Pentacosane	103		%	5	12/01/16	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1221	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1232	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1242	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1248	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1254	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1260	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1262	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
PCB-1268	ND	420	ug/Kg	10	11/30/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	93		%	10	11/30/16	AW	30 - 150 %
% TCMX	85		%	10	11/30/16	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
4,4' -DDE	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
4,4' -DDT	ND	15	ug/Kg	2	12/01/16	PS	SW8081B
a-BHC	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Alachlor	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Aldrin	ND	4.2	ug/Kg	2	12/01/16	PS	SW8081B
b-BHC	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Chlordane	ND	42	ug/Kg	2	12/01/16	PS	SW8081B
d-BHC	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Dieldrin	ND	7.0	ug/Kg	2	12/01/16	PS	SW8081B
Endosulfan I	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Endosulfan II	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Endosulfan sulfate	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Endrin	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Endrin aldehyde	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Endrin ketone	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
g-BHC	ND	1.7	ug/Kg	2	12/01/16	PS	SW8081B
Heptachlor	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Heptachlor epoxide	ND	8.3	ug/Kg	2	12/01/16	PS	SW8081B
Methoxychlor	ND	42	ug/Kg	2	12/01/16	PS	SW8081B
Toxaphene	ND	170	ug/Kg	2	12/01/16	PS	SW8081B
QA/QC Surrogates							
% DCBP	99		%	2	12/01/16	PS	30 - 150 %
% TCMX	92		%	2	12/01/16	PS	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,1-Dichloroethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,1-Dichloroethene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C

Project ID: FAIRFIELD RECLAMATION YARD

Phoenix I.D.: BV90953

Client ID: S-9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	440	ug/Kg	50	11/30/16	JLI	SW8260C
1,2-Dibromoethane	ND	7.0	ug/Kg	1	11/29/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
1,2-Dichloroethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,2-Dichloropropane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
1,3-Dichloropropane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
2,2-Dichloropropane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
2-Chlorotoluene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
2-Hexanone	ND	37	ug/Kg	1	11/29/16	JLI	SW8260C
2-Isopropyltoluene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
4-Chlorotoluene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	37	ug/Kg	1	11/29/16	JLI	SW8260C
Acetone	ND	370	ug/Kg	1	11/29/16	JLI	SW8260C
Acrylonitrile	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Benzene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Bromobenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
Bromochloromethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Bromodichloromethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Bromoform	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Bromomethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Carbon Disulfide	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Carbon tetrachloride	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Chlorobenzene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Chloroethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Chloroform	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Chloromethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.4	ug/Kg	1	11/29/16	JLI	SW8260C
Dibromochloromethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Dibromomethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Dichlorodifluoromethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Ethylbenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
Hexachlorobutadiene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
Isopropylbenzene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
m&p-Xylene	ND	44	ug/Kg	1	11/29/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	15	ug/Kg	1	11/29/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	1	11/29/16	JLI	SW8260C
Methylene chloride	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
Naphthalene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
n-Butylbenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
n-Propylbenzene							

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-9

Phoenix I.D.: BV90953

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
p-Isopropyltoluene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
sec-Butylbenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
Styrene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
tert-Butylbenzene	ND	550	ug/Kg	50	11/30/16	JLI	SW8260C
Tetrachloroethene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	15	ug/Kg	1	11/29/16	JLI	SW8260C
Toluene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Total Xylenes	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1100	ug/Kg	50	11/30/16	JLI	SW8260C
Trichloroethene	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Trichlorofluoromethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
Vinyl chloride	ND	7.4	ug/Kg	1	11/29/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	50	11/30/16	JLI	70 - 130 %
% Bromofluorobenzene	99		%	50	11/30/16	JLI	70 - 130 %
% Dibromofluoromethane	111		%	1	11/29/16	JLI	70 - 130 %
% Toluene-d8	80		%	1	11/29/16	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
1,2-Dichlorobenzene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
1,3-Dichlorobenzene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
1,4-Dichlorobenzene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dichlorophenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dimethylphenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dinitrophenol	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dinitrotoluene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2,6-Dinitrotoluene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2-Chloronaphthalene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2-Chlorophenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2-Methylnaphthalene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
2-Nitroaniline	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
2-Nitrophenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
3-Nitroaniline	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
4-Chloroaniline	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	1	11/30/16	DD	SW8270D

Project ID: FAIRFIELD RECLAMATION YARD

Phoenix I.D.: BV90953

Client ID: S-9

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	680	ug/Kg	1	11/30/16	DD	SW8270D
4-Nitrophenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Acenaphthene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Acetophenone	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Aniline	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
Anthracene	580	300	ug/Kg	1	11/30/16	DD	SW8270D
Benz(a)anthracene	2300	300	ug/Kg	1	11/30/16	DD	SW8270D
Benzidine	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(a)pyrene	2500	300	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(b)fluoranthene	3300	300	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(ghi)perylene	1600	300	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(k)fluoranthene	2100	300	ug/Kg	1	11/30/16	DD	SW8270D
Benzoic acid	ND	850	ug/Kg	1	11/30/16	DD	SW8270D
Benzyl butyl phthalate	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	330	300	ug/Kg	1	11/30/16	DD	SW8270D
Carbazole	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
Chrysene	3300	300	ug/Kg	1	11/30/16	DD	SW8270D
Dibenz(a,h)anthracene	450	300	ug/Kg	1	11/30/16	DD	SW8270D
Dibenzofuran	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Diethyl phthalate	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Dimethylphthalate	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Di-n-butylphthalate	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Di-n-octylphthalate	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Fluoranthene	6000	300	ug/Kg	1	11/30/16	DD	SW8270D
Fluorene	380	300	ug/Kg	1	11/30/16	DD	SW8270D
Hexachlorobenzene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Hexachlorobutadiene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Hexachloroethane	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	1800	300	ug/Kg	1	11/30/16	DD	SW8270D
Isophorone	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Naphthalene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Nitrobenzene	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
N-Nitrosodimethylamine	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
Pentachloronitrobenzene	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
Pentachlorophenol	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
Phenanthrene	3800	300	ug/Kg	1	11/30/16	DD	SW8270D
Phenol	ND	300	ug/Kg	1	11/30/16	DD	SW8270D
Pyrene	5000	300	ug/Kg	1	11/30/16	DD	SW8270D
Pyridine	ND	420	ug/Kg	1	11/30/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80		%	1	11/30/16	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	11/30/16	DD	30 - 130 %

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-9

Phoenix I.D.: BV90953

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	49		%	1	11/30/16	DD	30 - 130 %
% Nitrobenzene-d5	69		%	1	11/30/16	DD	30 - 130 %
% Phenol-d5	68		%	1	11/30/16	DD	30 - 130 %
% Terphenyl-d14	61		%	1	11/30/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

TPH Comment:
**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
December 08, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 08, 2016

FOR: Attn: Cindy Knight
Logical Environmental Solutions
354 South River Rd.
Tolland, CT 06084

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		11/29/16	7:25
Location Code:	LOGIC-DAS	Received by:	SW	11/29/16	11:49
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBV90953
Phoenix ID: BV90954

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Arsenic	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Barium	1.63	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Beryllium	< 0.040	0.040	mg/L	1	11/30/16	TH	SW6010C
TCLP Cadmium	0.051	0.050	mg/L	1	11/30/16	TH	SW6010C
TCLP Chromium	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Copper	1.26	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Mercury	< 0.0002	0.0002	mg/L	1	11/30/16	RS	SW7470A
TCLP Nickel	0.18	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Lead	10.6	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Antimony	< 0.060	0.060	mg/L	1	11/30/16	TH	SW6010C
TCLP Selenium	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Thallium	< 0.050	0.050	mg/L	1	11/30/16	TH	SW6010C
TCLP Vanadium	< 0.10	0.10	mg/L	1	11/30/16	TH	SW6010C
TCLP Zinc	20.5	1.0	mg/L	10	12/03/16	LK	SW6010C
TCLP Metals Digestion	Completed				11/30/16	Q/Q	SW3005A
Percent Solid	90		%		11/29/16	Q	SW846-%Solid
Soil Extraction for PCB	Completed				11/29/16	JJ/V	SW3545A
Soil Extraction for Pesticide	Completed				11/29/16	JJ/V	SW3545A
Soil Extraction for SVOA	Completed				11/29/16	JJ/CKV	SW3545A
Extraction of CT ETPH	Completed				11/29/16	XC/CKV	SW3545A
TCLP Digestion Mercury	Completed				11/30/16	Q/Q	SW7470A
TCLP Extraction for Metals	Completed				11/29/16	Q	SW1311
Field Extraction	Completed				11/29/16		SW5035A
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	280	mg/Kg	5	11/30/16	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	11/30/16	JRB	CTETPH 8015D

Ver 1

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-10

Phoenix I.D.: BV90954

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
QA/QC Surrogates							
% n-Pentacosane	147		%	5	11/30/16	JRB	50 - 150 %
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1221	ND	370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1232	ND	370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1242	ND	370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1248	*	* 370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1254	6800	* 370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1260	*	* 370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1262	ND	370	ug/Kg	10	12/01/16	AW	SW8082A
PCB-1268	ND	370	ug/Kg	10	12/01/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	114		%	10	12/01/16	AW	30 - 150 %
% TCMX	90		%	10	12/01/16	AW	30 - 150 %
Pesticides							
4,4' -DDD	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
4,4' -DDE	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
4,4' -DDT	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
a-BHC	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Alachlor	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Aldrin	ND	18	ug/Kg	20	12/01/16	CE	SW8081B
b-BHC	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Chlordane	ND	370	ug/Kg	20	12/01/16	CE	SW8081B
d-BHC	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Dieldrin	ND	60	ug/Kg	20	12/01/16	CE	SW8081B
Endosulfan I	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Endosulfan II	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Endosulfan sulfate	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Endrin	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Endrin aldehyde	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
Endrin ketone	ND	74	ug/Kg	20	12/01/16	CE	SW8081B
g-BHC	ND	30	ug/Kg	20	12/01/16	CE	SW8081B
Heptachlor	ND	37	ug/Kg	20	12/01/16	CE	SW8081B
Heptachlor epoxide	ND	37	ug/Kg	20	12/01/16	CE	SW8081B
Methoxychlor	ND	370	ug/Kg	20	12/01/16	CE	SW8081B
Toxaphene	ND	1500	ug/Kg	20	12/01/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	68		%	2	12/01/16	CE	30 - 150 %
% TCMX	61		%	2	12/01/16	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.1	ug/Kg	1	11/29/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C

Project ID: FAIRFIELD RECLAMATION YARD

Phoenix I.D.: BV90954

Client ID: S-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2,4-Trimethylbenzene	85	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,3,5-Trimethylbenzene	34	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
2-Chlorotoluene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
2-Hexanone	ND	26	ug/Kg	1	11/29/16	JLI	SW8260C
2-Isopropyltoluene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
4-Chlorotoluene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	11/29/16	JLI	SW8260C
Acetone	ND	260	ug/Kg	1	11/29/16	JLI	SW8260C
Acrylonitrile	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Benzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Bromobenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Bromochloromethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Bromodichloromethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Bromoform	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Bromomethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Carbon Disulfide	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Carbon tetrachloride	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Chlorobenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Chloroethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Chloroform	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Chloromethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Dibromochloromethane	ND	3.1	ug/Kg	1	11/29/16	JLI	SW8260C
Dibromomethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Ethylbenzene	25	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Hexachlorobutadiene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Isopropylbenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
m&p-Xylene	80	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	ug/Kg	1	11/29/16	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	11/29/16	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	11/29/16	JLI	SW8260C
Naphthalene	440	400	ug/Kg	50	11/30/16	JLI	SW8260C
n-Butylbenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
n-Propylbenzene	6.3	5.2	ug/Kg	1	11/29/16	JLI	SW8260C

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-10

Phoenix I.D.: BV90954

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
o-Xylene	35	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
p-Isopropyltoluene	6.5	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
sec-Butylbenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Styrene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
tert-Butylbenzene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Tetrachloroethene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	11/29/16	JLI	SW8260C
Toluene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Total Xylenes	115	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	11/29/16	JLI	SW8260C
Trichloroethene	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
Vinyl chloride	ND	5.2	ug/Kg	1	11/29/16	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	92		%	1	11/29/16	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	11/29/16	JLI	70 - 130 %
% Dibromofluoromethane	107		%	1	11/29/16	JLI	70 - 130 %
% Toluene-d8	84		%	1	11/29/16	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
1,2-Dichlorobenzene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
1,3-Dichlorobenzene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
1,4-Dichlorobenzene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dichlorophenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dimethylphenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dinitrophenol	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
2,4-Dinitrotoluene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2,6-Dinitrotoluene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2-Chloronaphthalene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2-Chlorophenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2-Methylnaphthalene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
2-Nitroaniline	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
2-Nitrophenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
3-Nitroaniline	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
4-Chloroaniline	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	11/30/16	DD	SW8270D

Project ID: FAIRFIELD RECLAMATION YARD

Phoenix I.D.: BV90954

Client ID: S-10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Nitroaniline	ND	590	ug/Kg	1	11/30/16	DD	SW8270D
4-Nitrophenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Acenaphthene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Acenaphthylene	350	260	ug/Kg	1	11/30/16	DD	SW8270D
Acetophenone	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Aniline	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
Anthracene	490	260	ug/Kg	1	11/30/16	DD	SW8270D
Benz(a)anthracene	1200	260	ug/Kg	1	11/30/16	DD	SW8270D
Benzidine	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(a)pyrene	1400	260	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(b)fluoranthene	1300	260	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(ghi)perylene	960	260	ug/Kg	1	11/30/16	DD	SW8270D
Benzo(k)fluoranthene	1100	260	ug/Kg	1	11/30/16	DD	SW8270D
Benzoic acid	ND	730	ug/Kg	1	11/30/16	DD	SW8270D
Benzyl butyl phthalate	410	260	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Bis(2-ethylhexyl)phthalate	1300	260	ug/Kg	1	11/30/16	DD	SW8270D
Carbazole	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
Chrysene	1400	260	ug/Kg	1	11/30/16	DD	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Dibenzofuran	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Diethyl phthalate	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Dimethylphthalate	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Di-n-butylphthalate	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Di-n-octylphthalate	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Fluoranthene	2900	260	ug/Kg	1	11/30/16	DD	SW8270D
Fluorene	260	260	ug/Kg	1	11/30/16	DD	SW8270D
Hexachlorobenzene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Hexachlorobutadiene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Hexachloroethane	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Indeno(1,2,3-cd)pyrene	980	260	ug/Kg	1	11/30/16	DD	SW8270D
Isophorone	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Naphthalene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Nitrobenzene	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
N-Nitrosodimethylamine	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
Pentachloronitrobenzene	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
Pentachlorophenol	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
Phenanthrene	1900	260	ug/Kg	1	11/30/16	DD	SW8270D
Phenol	ND	260	ug/Kg	1	11/30/16	DD	SW8270D
Pyrene	2800	260	ug/Kg	1	11/30/16	DD	SW8270D
Pyridine	ND	370	ug/Kg	1	11/30/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	1	11/30/16	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	11/30/16	DD	30 - 130 %

Project ID: FAIRFIELD RECLAMATION YARD
Client ID: S-10

Phoenix I.D.: BV90954

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	51		%	1	11/30/16	DD	30 - 130 %
% Nitrobenzene-d5	71		%	1	11/30/16	DD	30 - 130 %
% Phenol-d5	67		%	1	11/30/16	DD	30 - 130 %
% Terphenyl-d14	64		%	1	11/30/16	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

PCB Comment:
* For PCBs, as per section 11.9.3 of SW846 method 8082, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1254.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
December 08, 2016
Reviewed and Released by: Phyllis Shiller, Laboratory Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 08, 2016

QA/QC Data

SDG I.D.: GBV90953

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 368127 (mg/L), QC Sample No: BV90908 (BV90953, BV90954)													
ICP Metals - TCLP Extraction													
Antimony	BRL	0.060	0.074	<0.060	NC	115			108			75 - 125	20
Arsenic	BRL	0.10	<0.10	<0.10	NC	114			102			75 - 125	20
Barium	BRL	0.10	0.39	0.39	NC	100			101			75 - 125	20
Beryllium	BRL	0.040	<0.040	<0.040	NC	106			102			75 - 125	20
Cadmium	BRL	0.050	0.008	0.007	NC	105			99.0			75 - 125	20
Chromium	BRL	0.10	<0.10	<0.10	NC	105			100			75 - 125	20
Copper	BRL	0.10	0.08	0.08	NC	116			104			75 - 125	20
Lead	BRL	0.10	0.81	0.80	1.20	110			102			75 - 125	20
Nickel	BRL	0.10	0.03	0.03	NC	105			100			75 - 125	20
Selenium	BRL	0.10	<0.10	<0.10	NC	118			104			75 - 125	20
Silver	BRL	0.10	<0.10	<0.10	NC	115			103			75 - 125	20
Thallium	BRL	0.050	<0.050	<0.050	NC	117			103			75 - 125	20
Vanadium	BRL	0.10	0.01	<0.10	NC	106			99.4			75 - 125	20
Zinc	BRL	0.10	2.83	2.84	0.40	107			99.3			75 - 125	20
QA/QC Batch 368267 (mg/L), QC Sample No: BV91708 (BV90953, BV90954)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	91.9			88.2			70 - 130	20

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 08, 2016

QA/QC Data

SDG I.D.: GBV90953

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 368063 (ug/Kg), QC Sample No: BV90691 2X (BV90953, BV90954)										
Pesticides - Soil										
4,4' -DDD	ND	1.7	91	79	14.1	72	69	4.3	40 - 140	30
4,4' -DDE	ND	1.7	84	73	14.0	70	67	4.4	40 - 140	30
4,4' -DDT	ND	1.7	96	83	14.5	81	78	3.8	40 - 140	30
a-BHC	ND	1.0	77	67	13.9	64	62	3.2	40 - 140	30
a-Chlordane	ND	3.3	85	74	13.8	71	68	4.3	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	80	69	14.8	68	65	4.5	40 - 140	30
b-BHC	ND	1.0	86	75	13.7	80	73	9.2	40 - 140	30
Chlordane	ND	33	80	71	11.9	66	63	4.7	40 - 140	30
d-BHC	ND	3.3	85	73	15.2	69	62	10.7	40 - 140	30
Dieldrin	ND	1.0	82	71	14.4	67	64	4.6	40 - 140	30
Endosulfan I	ND	3.3	87	75	14.8	72	67	7.2	40 - 140	30
Endosulfan II	ND	3.3	97	84	14.4	76	75	1.3	40 - 140	30
Endosulfan sulfate	ND	3.3	100	86	15.1	76	74	2.7	40 - 140	30
Endrin	ND	3.3	88	76	14.6	71	68	4.3	40 - 140	30
Endrin aldehyde	ND	3.3	86	74	15.0	67	66	1.5	40 - 140	30
Endrin ketone	ND	3.3	109	94	14.8	85	82	3.6	40 - 140	30
g-BHC	ND	1.0	83	73	12.8	70	66	5.9	40 - 140	30
g-Chlordane	ND	3.3	80	71	11.9	66	63	4.7	40 - 140	30
Heptachlor	ND	3.3	84	73	14.0	72	68	5.7	40 - 140	30
Heptachlor epoxide	ND	3.3	86	75	13.7	71	67	5.8	40 - 140	30
Methoxychlor	ND	3.3	111	95	15.5	87	85	2.3	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	96	%	98	89	9.6	83	81	2.4	30 - 150	30
% TCMX	86	%	77	72	6.7	75	66	12.8	30 - 150	30

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS, LCSD, MS and MSD.

QA/QC Batch 368061 (ug/kg), QC Sample No: BV90691 (BV90953, BV90954)										
Semivolatiles - Soil										
1,2,4,5-Tetrachlorobenzene	ND	230	62			70			30 - 130	30
1,2,4-Trichlorobenzene	ND	230	57			67			30 - 130	30
1,2-Dichlorobenzene	ND	180	50			62			30 - 130	30
1,2-Diphenylhydrazine	ND	230	68			73			30 - 130	30
1,3-Dichlorobenzene	ND	230	47			57			30 - 130	30
1,4-Dichlorobenzene	ND	230	50			60			30 - 130	30
2,4,5-Trichlorophenol	ND	230	68			68			30 - 130	30
2,4,6-Trichlorophenol	ND	130	68			70			30 - 130	30
2,4-Dichlorophenol	ND	130	68			76			30 - 130	30
2,4-Dimethylphenol	ND	230	62			72			30 - 130	30
2,4-Dinitrophenol	ND	230	14			53			30 - 130	30

QA/QC Data

SDG I.D.: GBV90953

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4-Dinitrotoluene	ND	130	71			74			30 - 130	30	
2,6-Dinitrotoluene	ND	130	70			70			30 - 130	30	
2-Chloronaphthalene	ND	230	66			70			30 - 130	30	
2-Chlorophenol	ND	230	66			71			30 - 130	30	
2-Methylnaphthalene	ND	230	62			70			30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	74			80			30 - 130	30	
2-Nitroaniline	ND	330	62			75			30 - 130	30	
2-Nitrophenol	ND	230	60			64			30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	76			80			30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	56			54			30 - 130	30	
3-Nitroaniline	ND	330	61			69			30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	33			86			30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	70			71			30 - 130	30	
4-Chloro-3-methylphenol	ND	230	73			77			30 - 130	30	
4-Chloroaniline	ND	230	69			74			30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	67			72			30 - 130	30	
4-Nitroaniline	ND	230	73			75			30 - 130	30	
4-Nitrophenol	ND	230	71			72			30 - 130	30	
Acenaphthene	ND	230	68			73			30 - 130	30	
Acenaphthylene	ND	130	65			67			30 - 130	30	
Acetophenone	ND	230	62			68			30 - 130	30	
Aniline	ND	330	57			63			30 - 130	30	
Anthracene	ND	230	70			70			30 - 130	30	
Benz(a)anthracene	ND	230	67			60			30 - 130	30	
Benzidine	ND	330	11			<10			30 - 130	30	l,m
Benzo(a)pyrene	ND	130	66			54			30 - 130	30	
Benzo(b)fluoranthene	ND	160	68			60			30 - 130	30	
Benzo(ghi)perylene	ND	230	73			59			30 - 130	30	
Benzo(k)fluoranthene	ND	230	69			59			30 - 130	30	
Benzoic Acid	ND	330	<10			<10			30 - 130	30	l,m
Benzyl butyl phthalate	ND	230	67			70			30 - 130	30	
Bis(2-chloroethoxy)methane	ND	230	68			72			30 - 130	30	
Bis(2-chloroethyl)ether	ND	130	52			61			30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	230	55			63			30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	230	63			67			30 - 130	30	
Carbazole	ND	230	68			71			30 - 130	30	
Chrysene	ND	230	68			61			30 - 130	30	
Dibenz(a,h)anthracene	ND	130	72			69			30 - 130	30	
Dibenzofuran	ND	230	67			72			30 - 130	30	
Diethyl phthalate	ND	230	71			74			30 - 130	30	
Dimethylphthalate	ND	230	70			71			30 - 130	30	
Di-n-butylphthalate	ND	230	76			72			30 - 130	30	
Di-n-octylphthalate	ND	230	70			70			30 - 130	30	
Fluoranthene	ND	230	71			60			30 - 130	30	
Fluorene	ND	230	70			75			30 - 130	30	
Hexachlorobenzene	ND	130	68			72			30 - 130	30	
Hexachlorobutadiene	ND	230	55			63			30 - 130	30	
Hexachlorocyclopentadiene	ND	230	67			59			30 - 130	30	
Hexachloroethane	ND	130	47			56			30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	72			59			30 - 130	30	
Isophorone	ND	130	60			66			30 - 130	30	
Naphthalene	ND	230	63			72			30 - 130	30	
Nitrobenzene	ND	130	65			73			30 - 130	30	

QA/QC Data

SDG I.D.: GBV90953

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
N-Nitrosodimethylamine	ND	230	45			57			30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	74			79			30 - 130	30	
N-Nitrosodiphenylamine	ND	130	78			80			30 - 130	30	
Pentachloronitrobenzene	ND	230	63			67			30 - 130	30	
Pentachlorophenol	ND	230	59			60			30 - 130	30	
Phenanthrene	ND	130	70			68			30 - 130	30	
Phenol	ND	230	68			73			30 - 130	30	
Pyrene	ND	230	74			64			30 - 130	30	
Pyridine	ND	230	27			40			30 - 130	30	I
% 2,4,6-Tribromophenol	62	%	69			71			30 - 130	30	
% 2-Fluorobiphenyl	61	%	61			65			30 - 130	30	
% 2-Fluorophenol	59	%	55			61			30 - 130	30	
% Nitrobenzene-d5	58	%	65			73			30 - 130	30	
% Phenol-d5	65	%	71			75			30 - 130	30	
% Terphenyl-d14	69	%	69			68			30 - 130	30	

Comment:

LCSD and MSD not reported for this batch.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 368197 (mg/Kg), QC Sample No: BV91000 (BV90953, BV90954)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C.	ND	50	61			72	71	1.4	60 - 120	30	
% n-Pentacosane	58	%	67			86	83	3.6	50 - 150	30	

Comment:

Additional criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%.

QA/QC Batch 368285 (ug/kg), QC Sample No: BV91132 (BV90953, BV90954)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	5.0	106	102	3.8	91	93	2.2	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	95	93	2.1	90	83	8.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	101	105	3.9	93	96	3.2	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	98	97	1.0	83	78	6.2	70 - 130	30	
1,1-Dichloroethane	ND	5.0	97	95	2.1	94	85	10.1	70 - 130	30	
1,1-Dichloroethene	ND	5.0	101	99	2.0	88	88	0.0	70 - 130	30	
1,1-Dichloropropene	ND	5.0	95	94	1.1	85	82	3.6	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	102	102	0.0	49	44	10.8	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	95	97	2.1	103	97	6.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	96	93	3.2	54	47	13.9	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	1.0	97	98	1.0	92	92	0.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	108	104	3.8	84	79	6.1	70 - 130	30	
1,2-Dibromoethane	ND	5.0	96	95	1.0	82	77	6.3	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	103	101	2.0	85	81	4.8	70 - 130	30	
1,2-Dichloroethane	ND	5.0	100	102	2.0	88	87	1.1	70 - 130	30	
1,2-Dichloropropane	ND	5.0	99	101	2.0	86	85	1.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	98	97	1.0	96	95	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	100	99	1.0	81	80	1.2	70 - 130	30	
1,3-Dichloropropane	ND	5.0	100	96	4.1	88	87	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	101	99	2.0	79	79	0.0	70 - 130	30	
2,2-Dichloropropane	ND	5.0	104	98	5.9	94	86	8.9	70 - 130	30	
2-Chlorotoluene	ND	5.0	100	100	0.0	98	93	5.2	70 - 130	30	
2-Hexanone	ND	25	86	89	3.4	79	75	5.2	70 - 130	30	
2-Isopropyltoluene	ND	5.0	101	101	0.0	103	102	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBV90953

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Chlorotoluene	ND	5.0	94	96	2.1	90	84	6.9	70 - 130	30	
4-Methyl-2-pentanone	ND	25	95	97	2.1	86	88	2.3	70 - 130	30	
Acetone	ND	10	91	81	11.6	68	58	15.9	70 - 130	30	m
Acrylonitrile	ND	5.0	92	89	3.3	83	74	11.5	70 - 130	30	
Benzene	ND	1.0	96	97	1.0	84	84	0.0	70 - 130	30	
Bromobenzene	ND	5.0	107	103	3.8	97	97	0.0	70 - 130	30	
Bromochloromethane	ND	5.0	91	90	1.1	81	77	5.1	70 - 130	30	
Bromodichloromethane	ND	5.0	100	101	1.0	84	84	0.0	70 - 130	30	
Bromoform	ND	5.0	95	95	0.0	71	72	1.4	70 - 130	30	
Bromomethane	ND	5.0	112	101	10.3	114	105	8.2	70 - 130	30	
Carbon Disulfide	ND	5.0	110	105	4.7	104	97	7.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	98	95	3.1	90	81	10.5	70 - 130	30	
Chlorobenzene	ND	5.0	102	99	3.0	83	84	1.2	70 - 130	30	
Chloroethane	ND	5.0	117	104	11.8	121	113	6.8	70 - 130	30	
Chloroform	ND	5.0	93	89	4.4	88	81	8.3	70 - 130	30	
Chloromethane	ND	5.0	107	101	5.8	115	109	5.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	99	95	4.1	88	85	3.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	99	102	3.0	78	77	1.3	70 - 130	30	
Dibromochloromethane	ND	3.0	108	104	3.8	91	88	3.4	70 - 130	30	
Dibromomethane	ND	5.0	100	102	2.0	82	82	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	115	109	5.4	137	128	6.8	70 - 130	30	m
Ethylbenzene	ND	1.0	103	99	4.0	94	88	6.6	70 - 130	30	
Hexachlorobutadiene	ND	5.0	106	106	0.0	71	67	5.8	70 - 130	30	m
Isopropylbenzene	ND	1.0	98	102	4.0	104	106	1.9	70 - 130	30	
m&p-Xylene	ND	2.0	99	93	6.3	83	84	1.2	70 - 130	30	
Methyl ethyl ketone	ND	5.0	78	83	6.2	81	72	11.8	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	96	95	1.0	105	99	5.9	70 - 130	30	
Methylene chloride	ND	5.0	100	91	9.4	86	79	8.5	70 - 130	30	
n-Butylbenzene	ND	1.0	103	102	1.0	84	82	2.4	70 - 130	30	
n-Propylbenzene	ND	1.0	98	97	1.0	98	96	2.1	70 - 130	30	
o-Xylene	ND	2.0	101	97	4.0	86	81	6.0	70 - 130	30	
p-Isopropyltoluene	ND	1.0	100	97	3.0	90	88	2.2	70 - 130	30	
sec-Butylbenzene	ND	1.0	104	104	0.0	99	97	2.0	70 - 130	30	
Styrene	ND	5.0	97	93	4.2	75	75	0.0	70 - 130	30	
tert-Butylbenzene	ND	1.0	102	101	1.0	100	101	1.0	70 - 130	30	
Tetrachloroethene	ND	5.0	98	96	2.1	80	79	1.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	5.0	88	91	3.4	88	81	8.3	70 - 130	30	
Toluene	ND	1.0	100	101	1.0	87	82	5.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	5.0	113	107	5.5	96	88	8.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	5.0	94	95	1.1	74	71	4.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	99	103	4.0	96	95	1.0	70 - 130	30	
Trichloroethene	ND	5.0	100	102	2.0	90	90	0.0	70 - 130	30	
Trichlorofluoromethane	ND	5.0	105	98	6.9	115	107	7.2	70 - 130	30	
Trichlorotrifluoroethane	ND	5.0	101	93	8.2	102	93	9.2	70 - 130	30	
Vinyl chloride	ND	5.0	106	101	4.8	112	104	7.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	95	%	101	104	2.9	99	101	2.0	70 - 130	30	
% Bromofluorobenzene	103	%	102	98	4.0	93	94	1.1	70 - 130	30	
% Dibromofluoromethane	100	%	95	95	0.0	104	98	5.9	70 - 130	30	
% Toluene-d8	88	%	101	101	0.0	98	99	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Data

SDG I.D.: GBV90953

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 368196 (ug/Kg), QC Sample No: BV91158 2X (BV90953, BV90954)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	33	71	76	6.8	63	74	16.1	40 - 140	30	
PCB-1221	ND	33							40 - 140	30	
PCB-1232	ND	33							40 - 140	30	
PCB-1242	ND	33							40 - 140	30	
PCB-1248	ND	33							40 - 140	30	
PCB-1254	ND	33							40 - 140	30	
PCB-1260	ND	33	81	87	7.1	75	90	18.2	40 - 140	30	
PCB-1262	ND	33							40 - 140	30	
PCB-1268	ND	33							40 - 140	30	
% DCBP (Surrogate Rec)	80	%	91	97	6.4	84	100	17.4	30 - 150	30	
% TCMX (Surrogate Rec)	76	%	77	82	6.3	67	79	16.4	30 - 150	30	
QA/QC Batch 368484 (ug/kg), QC Sample No: BV91663 (BV90953 (50X) , BV90954 (50X))											
Volatiles - Soil											
1,2,3-Trichlorobenzene	ND	5.0	121	114	6.0	64	66	3.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	5.0	87	86	1.2	93	87	6.7	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	122	115	5.9	75	74	1.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	114	111	2.7	10	29	97.4	70 - 130	30	m,r
1,2-Dibromo-3-chloropropane	ND	5.0	88	87	1.1	84	83	1.2	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	103	101	2.0	75	76	1.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	111	109	1.8	58	72	21.5	70 - 130	30	m
1,3-Dichlorobenzene	ND	5.0	104	103	1.0	95	89	6.5	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	105	103	1.9	94	87	7.7	70 - 130	30	
2-Chlorotoluene	ND	5.0	100	99	1.0	84	86	2.4	70 - 130	30	
2-Isopropyltoluene	ND	5.0	122	121	0.8	105	109	3.7	70 - 130	30	
4-Chlorotoluene	ND	5.0	99	98	1.0	71	80	11.9	70 - 130	30	
Bromobenzene	ND	5.0	94	93	1.1	95	90	5.4	70 - 130	30	
Hexachlorobutadiene	ND	5.0	109	103	5.7	57	59	3.4	70 - 130	30	m
Isopropylbenzene	ND	1.0	95	94	1.1	83	88	5.8	70 - 130	30	
Naphthalene	ND	5.0	111	106	4.6	<10	<10	NC	70 - 130	30	m
n-Butylbenzene	ND	1.0	118	112	5.2	64	72	11.8	70 - 130	30	m
n-Propylbenzene	ND	1.0	95	95	0.0	77	82	6.3	70 - 130	30	
p-Isopropyltoluene	ND	1.0	110	107	2.8	94	93	1.1	70 - 130	30	
sec-Butylbenzene	ND	1.0	108	106	1.9	80	86	7.2	70 - 130	30	
tert-Butylbenzene	ND	1.0	98	97	1.0	96	92	4.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	108	105	2.8	101	94	7.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	%	101	100	1.0	96	97	1.0	70 - 130	30	
% Bromofluorobenzene	100	%	99	99	0.0	95	98	3.1	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

QA/QC Data

SDG I.D.: GBV90953

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
December 08, 2016

Thursday, December 08, 2016

Criteria: CT: GBM, RC

State: CT

Sample Criteria Exceedances Report

GBV90953 - LOGIC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BV90953	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	2300	300	1000	1000	ug/Kg
BV90953	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	2100	300	1000	1000	ug/Kg
BV90953	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	3300	300	1000	1000	ug/Kg
BV90953	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	2500	300	1000	1000	ug/Kg
BV90953	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	3300	300	1000	1000	ug/Kg
BV90953	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	2500	300	1000	1000	ug/Kg
BV90953	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	2300	300	1000	1000	ug/Kg
BV90953	$ETPH_SMR	Ext. Petroleum HC	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	760	320	500	500	mg/Kg
BV90953	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.20	0.10	0.15	0.15	mg/L
BV90954	$8270-SMR	Benzo(k)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1100	260	1000	1000	ug/Kg
BV90954	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1200	260	1000	1000	ug/Kg
BV90954	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1300	260	1000	1000	ug/Kg
BV90954	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / GB PMC (mg/kg	1400	260	1000	1000	ug/Kg
BV90954	$8270-SMR	Benzo(a)pyrene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1400	260	1000	1000	ug/Kg
BV90954	$8270-SMR	Benzo(b)fluoranthene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1300	260	1000	1000	ug/Kg
BV90954	$8270-SMR	Benz(a)anthracene	CT / SEMIVOLATILE ORGANIC COMP / RES DEC (mg/k	1200	260	1000	1000	ug/Kg
BV90954	$PCB_SMR	PCB-1254	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	6800	370	1000	1000	ug/Kg
BV90954	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / GB PMC (mg/kg)	ND	1500	600	600	ug/Kg
BV90954	$PEST_SMR	Chlordane	CT / PESTICIDES, PCB's, TPH, a / GB PMC (mg/kg)	ND	370	66	66	ug/Kg
BV90954	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / GB PMC (mg/kg)	ND	60	7	7	ug/Kg
BV90954	$PEST_SMR	Heptachlor	CT / PESTICIDES, PCB's, TPH, a / GB PMC (mg/kg)	ND	37	13	13	ug/Kg
BV90954	$PEST_SMR	Heptachlor epoxide	CT / PESTICIDES, PCB's, TPH, a / GB PMC (mg/kg)	ND	37	20	20	ug/Kg
BV90954	$PEST_SMR	Dieldrin	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	60	38	38	ug/Kg
BV90954	$PEST_SMR	Toxaphene	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	1500	560	560	ug/Kg
BV90954	TCLP-CD	TCLP Cadmium	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	0.051	0.050	0.05	0.05	mg/L
BV90954	TCLP-PB	TCLP Lead	CT / INORGANIC SUBSTANCES / GB PMC (mg/l)**	10.6	0.10	0.15	0.15	mg/L
BV90954	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	10.6	0.10	5	5	mg/L

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. *Client:*

Project Location: FAIRFIELD RECLAMATION YARD *Project Number:*

Laboratory Sample ID(s): BV90953, BV90954 *Sampling Date(s):* 11/29/2016

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 7470/7471, 8081, 8082, 8260, 8270, ETPH

1	**For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
1A	**Were the method specified preservation and holding time requirements met?**	☑ Yes ☐ No
1B	***VPH and EPH methods only:*** **Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
2	**Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?**	☑ Yes ☐ No
3	**Were samples received at an appropriate temperature (< 6 Degrees C)?**	☑ Yes ☐ No ☐ NA
4	**Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: SVOA Narration.**	☐ Yes ☑ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☐ Yes ☑ No
6	**For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
7	**Are project-specific matrix spikes and laboratory duplicates included in the data set?**	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Thursday, December 08, 2016

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 08, 2016 SDG I.D.: GBV90953

SDG Comments

BV90954 - Sample(s) required a dilution for Pesticides due to the presence of PCBs in the sample. This resulted in elevated reporting limits that exceed the requested criteria for one or more analytes.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-FID1 11/30/16-2 Jeff Bucko, Chemist 11/30/16

BV90953, BV90954

The initial calibration (ETPHN09I) RSD for the compound list was less than 30% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 368197 (BV91000)

BV90953, BV90954

All LCS recoveries were within 60 - 120 with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

MERLIN 11/30/16 09:59 Rick Schweitzer, Chemist 11/30/16

BV90953, BV90954

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 368267 (BV91708)

BV90953, BV90954

All LCS recoveries were within 70 - 130 with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Certification Report

December 08, 2016 SDG I.D.: GBV90953

ICP Metals Narration

ARCOS 11/30/16 09:36 Laura Kinnin, Tina Hall, Chemist 11/30/16

BV90953, BV90954

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 12/03/16 08:49 Laura Kinnin, Tina Hall, Chemist 12/03/16

BV90954

The linear range is defined daily by the calibration range.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 368127 (BV90908)

BV90953, BV90954

All LCS recoveries were within 75 - 125 with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD1 12/01/16-1 Adam Werner, Chemist 12/01/16

BV90954

The initial calibration (PC1128AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC1128BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD29 11/30/16-1 Adam Werner, Chemist 11/30/16

BV90953

The initial calibration (PC1128AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC1128BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 368196 (BV91158)

BV90953, BV90954

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 08, 2016 SDG I.D.: GBV90953

PEST Narration

Instrument:

AU-ECD13 11/30/16-1 Carol Eddy, Chemist 11/30/16

BV90954

8081 Narration:
Endrin and DDT breakdown was evaluated and does not exceed 15%.

The initial calibration (PSN23AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PSN23BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:
Samples: BV90953
Preceding CC N30A047 - Endrin Ketone 17%H (15%), Methoxychlor 21%H (15%)
Succeeding CC N30A059 - Methoxychlor 20%H (15%)
Samples: BV90954
Preceding CC N30A059 - Methoxychlor 20%H (15%)
Succeeding CC - None.

AU-ECD13 12/01/16-1 Carol Eddy, Chemist 12/01/16

BV90954

8081 Narration:
Endrin and DDT breakdown was evaluated and does not exceed 15%.

The initial calibration (PSN23AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PSN23BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 368063 (BV90691)

BV90953, BV90954

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS, LCSD, MS and MSD.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 368061 (Samples: BV90953, BV90954): -----

The QC recoveries for one or more analytes are below method criteria. A low bias is possible. (Benzidine, Benzoic Acid)

The LCS and/or the LCSD recovery is below the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected. (2,4-Dinitrophenol, Pyridine)

Instrument:

CHEM25 11/30/16-1 Damien Drobinski, Chemist 11/30/16

BV90953, BV90954

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

December 08, 2016 SDG I.D.: GBV90953

SVOA Narration

Initial Calibration Verification (CHEM25/SV_1122):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: 4,6-Dinitro-2-methylphenol 25% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM25/1129_33-SV_1122):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 368061 (BV90691)

BV90953, BV90954

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(14%), Benzidine(11%), Benzoic Acid(<10%), Pyridine(27%)
LCSD and MSD not reported for this batch.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM18 11/29/16-2 Jane Li, Chemist 11/29/16

BV90953, BV90954

Initial Calibration Verification (CHEM18/VT-M1128):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone 29% (20%)
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM18/1129M05-VT-M1128):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM26 11/30/16-1 Jane Li, Chemist 11/30/16

BV90953, BV90954

Initial Calibration Verification (CHEM26/VT-1118):
99% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: None.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

RCP Certification Report

December 08, 2016

SDG I.D.: GBV90953

VOA Narration

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM26/1130_02-VT-1118):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
99% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 368285 (BV91132)

BV90953, BV90954

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 368484 (BV91663)

BV90953, BV90954

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Temperature Narration

The samples were received at 1C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 1 °C Pg 1 of 1

CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
[ ] Fax #:
[X] Email: ckelogicalenvironmental.com

Customer: Logical Environmental Solutions
Address: 354 S. Rim Rd.
Tolland CT 06084

Project: Fairfield Reclamation Yard
Report to: Cindy Knight - LES
Invoice to: Town of Fairfield - DPS Contract - see info below
Phone #: 8604027069
Fax #:

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 11-29-16

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	CT ETPH	PCBs + Pesticides 8081/8082	TCLP DEEP 15 metals	Soil VOA Vials [ ] methanol [2] H2O	GL Soil container (8) oz [ ] H2O	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bactena (as is)	Bactena (w/thio)
90953	S-9	S	11/29/16	7:00am	X	X	X	X	X	1/2	1								
90954	S-10	↓	↓	7:25am	X	X	X	X	X	↓	↓								

Analysis Request

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/29/16	1149

Comments, Special Requirements or Regulations:
Invoice to: Town of Fairfield
725 Old Post Rd.
Fairfield CT 06824
email: JMichelangelo@fairfieldct.org

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[ ] GW Protection
[ ] SW Protection
[ ] GA Mobility
[X] GB Mobility
[X] Residential DEC
[ ] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: CT

Data Format
[ ] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[X] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

Attachment 05

Kwiatkowski, Janet

From: Carey, Brian <BCarey@fairfieldct.org>
Sent: Monday, March 6, 2017 10:28 AM
To: Kwiatkowski, Janet
Cc: Lesser, Stanton H.; 'Cindy Knight'
Subject: RE: Town of Fairfield - Julian Reclamation Yard

Janet,

The Town is working diligently to have a Remedial Action Plan (RAP) developed so that we can work expeditiously to have the material removed offsite for proper disposal. We are currently waiting on a response from our insurance carrier to see if the Town has coverage to pay from the remediation and disposal of the material. A proposed timeframe to have the matter resolved is as follows:

Activity

- Remediation Contractor Bid & Selection: 3-15-17
- Waste Characterization Sampling - Per Disposal Facility: 3/20/17
- Contractor Start Removal of Delineated PCB Contaminated Soil & Segregation of Potentially Contaminated Concrete & Asphalt : 3/21/17- 3/31/17
- Confirmation Soil Sampling of Removed Soil Pile Area & Segregated Asphalt & Concrete;
- Additional test Pitting of Northern and Western Pile Area to further Delineate PCB Contamination: 4/3-4/8/17
- Remediate Additional PCB Impacted Soil as needed 4/10/17 +

We understand it is in the best interest of all the parties involved to make sure that the remediation and disposal of the material happens as soon as possible. The site is currently stabilized and the pile is covered with polysheeting so there is no ongoing threat to the human health or the environment. We would like to do everything possible to avoid the issuance of a NOV to the town as this will only complicate an already difficult public relations matter with the neighboring residents. Please feel free to call me if you should have any questions or concerns regarding this matter.

Best regards,

Brian Carey, Conservation Director
Sullivan Independence Hall, Second Floor
725 Old Post Road
Fairfield, CT 06824
203-256-3071

From: Kwiatkowski, Janet [mailto:Janet.Kwiatkowski@ct.gov]
Sent: Friday, March 03, 2017 2:22 PM

To: Carey, Brian
Subject: RE: Town of Fairfield - Julian Reclamation Yard

We need a schedule and dates for the actual removal of the contaminated pile and the post clean-up sampling results. If this information is not sent within two weeks, I will issue the NOV to Fairfield as discussed.

From: Carey, Brian [mailto:BCarey@fairfieldct.org]
Sent: Friday, March 3, 2017 2:16 PM
To: Kwiatkowski, Janet <Janet.Kwiatkowski@ct.gov>; 'Cindy Knight' <ck@logicalenvironmental.com>
Cc: Lesser, Stanton H. <SLesser@town.fairfield.ct.us>
Subject: Town of Fairfield - Julian Reclamation Yard

Janet,

I just spoke with Cindy Knight and I am sorry if there was some confusion on my part about sending the data along. Please see the attached Scope of work and samplings result of the material pile that was sampled during the week of February 12th, 2017. As you know, we are currently working on a resolution to this matter with Julian and that may include legal action. We are in the process of developing a Remedial Action Plan (RAP) to address the contamination and are looking at feasible disposal options in the hopes of getting this matter resolved quickly. If you should have any questions regarding this matter, please feel free to contact me or Cindy Knight directly.

Best regards,

Brian Carey, Conservation Director
Sullivan Independence Hall, Second Floor
725 Old Post Road
Fairfield, CT 06824
203-256-3071

GO environmental, LLC

February 13, 2017 (revised)

Jason Julian, Andrew Julian
Julian Enterprises
418 Meadow Street
Fairfield, Connecticut 06824

Brian Carey, Conservation Director
Sullivan Independence Hall, Second Floor
725 Old Post Road
Fairfield, CT 06824

RE: Revised Materials Sampling Plan
Fairfield Materials Processing Facility
899 Richard White Way, Fairfield, Connecticut 06824
GO Environmental, LLC Project: 381.2768.02.17

GO Environmental, LLC (GO) has prepared this Materials Sampling Plan to investigate and determine the extent and magnitude of soils and construction or building debris contaminated with polychlorinated biphenyl (PCB), leachable lead (TCLP Pb), and Asbestos Containing Materials (ACM) located along the northeastern limits of the Materials Processing Facility located at 899 Richard White Way, Fairfield, CT.

The Data Quality Objectives of this investigation is to determine the extent and magnitude of PCB impacted bulk material identifies as "dark brown to dark gray and did not look like soil from a road-way construction project". (*See Logical Environmental Solutions, LLC (LES) Report; Summary of Reclamation Yard Inspection. November 29, 2016.)*

1. Background

On November 29, 2016, two (2) soil samples labelled S-9 and S-10 were collected by LES for laboratory analyses during a weekly inspection of the Site. LES analytical results show the S-10 soil sample contained PCBs at a concentration of 8.6 mg/kg, which exceeds the CT DEEP's Residential Direct Exposure Criteria (RDEC) of 1.0 mg/kg. Additionally, TCLP Pb was detected at a concentration of 10.6 mg/L which exceeds the 5.0 mg/l TCLP threshold that would characterize the materials as hazardous waste.

Further, on December 14, 2016, Osprey Environmental Engineering, LLC (OEE) was authorized by the Town of Fairfield, Dept of Public Works to collected surficial soil stockpile samples in the area of the suspect materials in order to assess the potential for the contaminants of concern to impact stormwater runoff in accordance with the DEEP General Permit. A total of fourteen (14) samples were collected by OEE. None of the samples contained Pb above or near the 5.0 mg/l TCLP hazardous waste threshold. However, PCB was detected at concentrations ranging from 0.38, 0.69, and 13.4 mg/kg in samples F-10, F-8 and F-9 respectively.

On Friday January 6, 2017, as previously agreed between the Town of Fairfield Licensed Environmental Professional (LEP), Cindy White, Fairfield Conservation Director, Brian Carey and GO Envireonmental , LLC LEP Michael Granata; wipe samples were collected from a Komatsu WA 470 Wheel Loader; Komatsu WA 250 Wheel Loader; Komatsu PC 490 Excavator; Power Screen Maxtrak 1000 Cone Crusher; and Terex 24x44 Jaw Crusher, using recommended EPA sampling protocol in order to determine if PCB contaminated materials have impacted earth moving equipment at the facility.

Samples were analyzed using EPA Method 3500B/3540C (Soxhlet Region 1) for extraction and analysis of samples using EPA Method 8082 and expedited for 24 hour turnaround from Phoenix Environmental Laboratories in Manchester, CT. On Monday January 9, 2017, analytical results were distributed to the Town of Fairfield LEP, Conservation Officer, Town Attorney, and Julien Enterprises. The results indicated that Low level PCB was detected on the hammer of the Power Screen Maxtrak 1000 Cone Crusher. The PCB concentration was 1.4 ug/cm^2. The detected concentration of PCB is substantially below the threshold limit of 10.0 ug/cm^2. Based on this data, GO opined that the equipment could be safely removed from the facility in accordance with CFR 761.79; Decontamination standards and procedures.

2. Health and Safety (HASP)

The HASP shall establish health and safety protocols that address the relative risks of exposure to regulated substances in accordance with 29 CFR 1910.120 and 29 CFR 1926.65. Such protocols shall address those concerns directly related to site conditions.

Julian Enterprises (JE) and the Town of Fairfield (Fairfield) shall ensure that all project personnel have been adequately trained in the recognition and avoidance of unsafe conditions and the regulations applicable to the work environment to control or eliminate any hazards or other exposure to illness or injury (OSHA 29 CFR 1926.21). All personnel shall be adequately trained in procedures outlined in the JE written HASP.

Under this section, JE/Fairfield shall agree to establish protocols and provide procedures to protect worker's health and safety as it relates to proposed excavation activities when performed in the presence of Controlled Materials, Resource Conservation and Recovery Act (RCRA) hazardous waste, Connecticut Regulated Waste (CRW), OSHA Hazardous Materials, regulated substances, or otherwise environmental sensitive conditions.

3. Scope of Work

Based on Town of Fairfield Dept. of Public Works Topographic Map entitled "Construction Materials Processing Facility" dated March 20, 2013, File # 3340, assuming a general area measuring 100'W x 200'L x 10' D, the area of the materials to be tested is approximately 7,407 yds^3.

Using an average density factor of 1.6 tons per yds^3, the material stockpiled at the facility weighs approximately 11,850 tons. Because the subject soil piles are conical, and too large to be spread on the

site to a uniform thickness of 1 foot or 30 cm, the pile sampling plan has been designed to conform generally with 40 CFR Part 761, Subpart R (c) Sampling conical-shaped piles for Non-Liquid, Non-Metal PCB Bulk Product Waste for Purposes of Characterization for PCB Disposal. As shown on **Figure 1**, a grid pattern of twenty-five (25) test excavations have been plotted. It is anticipated that the excavator will require three (3) decontamination events per test excavation to assure that cross contamination of the subject media does not occur.

Based on the guidance provided in 40 CFR Part 761 Subpart R (c), Samples of soil and/or construction debris identified with grout, mortar, mastic, paint or adhesives will be collected at three (3) discreet horizons within each test excavation. As follows:

- **Horizon #1**: Grade (top of soil pile 1-3.0 fbg)
- **Horizon #2**: 3.0-6.0 fbg
- **Horizon #3:** 6.0 fbg-9.0 fbg (or base of stockpile)

Excavated soils from the stockpile sampling pits will be temporarily cast to the side of the sampling pit onto polyethylene sheeting. Upon completion of sampling, the soils will be backfilled into the excavation.

4. Analytical protocol

Each sample will be analyzed for the following constituents:

- **PCBs**: EPA Method 3500B/3540C (Soxhlet Region 1) EPA Method 8082.
- **ACM**: EPA Method 600/R-93/116, in accordance with accreditation of the National Institute of Standards and Technology.
- **TCLP** (Toxicity characteristic leaching procedure) **Lead (Pb):** Method: EPA 6020A-1311

5. Sample Collection and Equipment Decontamination Procedures

Proper decontamination of field and sampling equipment is necessary to ensure that the samples collected are truly representative of site conditions. Equipment decontamination will be conducted on the excavator bucket, and other implements used to advance the excavations and any stainless-steel implements used for collecting soil samples following each sampling horizon per test excavation.

In compliance with the Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, Chapters 9 & 10, the establishment of work zones will help ensure that work activities and contamination are confined to the appropriate areas.

- **Exclusion Zone**, the contaminated area.
- **Contamination Reduction Zone** (CRZ), Decontamination procedures take place in a designated area within the CRZ called the Contamination Reduction Corridor (CRC). Two lines of decontamination stations will be set up within the CRC: one for personnel and one for heavy equipment.
- **Support Zone**, The uncontaminated area where workers should not be exposed to hazardous conditions.

6. Quality Assurance/Quality Control

In accordance with the CTDEEP *Laboratory Quality Control Assurance and Quality Control, Data Quality Assessment and Data Usability Evaluation Guidance Document,* dated May 2009, **GO** will conduct a review of the laboratory's RCP QA/QC data. The DQA/DUE Guidance acts as a supplement to the CTDEEP's Site Characterization Guidance Document (SCGD), and was intended to aid the environmental professional in ensuring that analytical data used for environmental investigation and remediation projects are of a known and sufficient level of quality.

7. Report of Findings/Project Management

A report summarizing the findings, which will document sampling methods, locations, and results will be prepared. **GO** will provide LEP consulting services, and summarize the sampling performed and include the nature of the contamination including kinds of materials; a summary of the procedures used to sample contaminated and adjacent surfaces; and the location and extent of the identified contaminated areas.

8. Estimate of Costs

Field Sampling/Analysis and Documentation		
PCB: EPA Method 3500B/3540C (Soxhlet Region 1) EPA Method 8082. 75 samples @ $42.00/sample: $3,150.00	Note: Analytical costs* will be contracted separately between Phoenix Laboratories, Inc. to be paid equally by the Town of Fairfield, CT and Julian Enterprises, LLC. [i] costs based on DAS pricing provided by Town of Fairfield and include a 15% processing fee	
ACM: EPA Method 600/R-93/116 & TEM/NOB: 75 samples @ $28.00/sample: $2,100.00		
TCLP Lead (Pb): Method: EPA 6020A-131: 75 samples @ $22.00/sample:$1,650.00		
Equipment Decontamination*:		$6,820.00
OSHA Qualified Supervisor/Operator/Field Sampling Tech/ Report of Findings/Project Management:	Tech 40 hrs @ $110.00/hr.	$4,400.00
	LEP: 20 hrs @ $195/hr.	$3,900.00
	Supervisor/Operator 40 hrs @ $100/hr.	$4,000.00
	Drafting: 4 hrs @ $75/hr.	$300.00
	PM:20 hrs @ $190.00	$3,800.00
Total Estimated Costs:		**$31,155.00**[i]

*Rinsate sampling & disposal not included in this cost estimate.

Please call me if you have any questions regarding this proposal. Thank you for the opportunity to be of service.

Respectfully,
GO Environmental, LLC

Michael R. Granata, LEP
Principal

ACCEPTANCE OF PROPOSAL AND AUTHORIZATION TO PROCEED:
All work will be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon authorization by **Julian Enterprises and the Town of Fairfield, CT** and will become an extra charge over and above this estimate. The above prices, specifications and conditions are satisfactory and are hereby accepted.

Terms: Please Provide Purchase Order. Billing will be monthly, payable within thirty (30) days of date of invoice with interest accruing at the rate of 1.5% per month. It is understood that **Julian Enterprises and the Town of Fairfield, CT** will be responsible for the reasonable cost of collection.

GO Environmental, LLC accepts all Major Credit Cards. Call (203) 876-1007
Mail Check payments to: GO Environmental, LLC, 203 Broad Street, C-10, Milford, CT 06460

GO Environmental will be authorized to complete the work as specified upon receipt of this signed proposal.

Signed: _____ **Date of acceptance:** _____

Printed: _____
Representing Julian Enterprises

Signed: _____ **Date of acceptance:** _____

Printed: _____
Representing Town of Fairfield, Connecticut

Kwiatkowski, Janet

From: Carey, Brian <BCarey@fairfieldct.org>
Sent: Friday, March 3, 2017 2:16 PM
To: Kwiatkowski, Janet; 'Cindy Knight'
Cc: Lesser, Stanton H.
Subject: Town of Fairfield - Julian Reclamation Yard
Attachments: Nov 29_Inspection.pdf; Nov 29 Observations.pdf; Richard White Way REV6.pdf; rev3.SOW- PCB stockpile.sampling - Reclamation Yard.pdf

Janet,

I just spoke with Cindy Knight and I am sorry if there was some confusion on my part about sending the data along. Please see the attached Scope of work and samplings result of the material pile that was sampled during the week of February 12th, 2017. As you know, we are currently working on a resolution to this matter with Julian and that may include legal action. We are in the process of developing a Remedial Action Plan (RAP) to address the contamination and are looking at feasible disposal options in the hopes of getting this matter resolved quickly. If you should have any questions regarding this matter, please feel free to contact me or Cindy Knight directly.

Best regards,

Brian Carey, Conservation Director
Sullivan Independence Hall, Second Floor
725 Old Post Road
Fairfield, CT 06824
203-256-3071

GO environmental, LLC

Figure 1: Preliminary Materials Sampling Plan
Construction Materials Processing Facility
Richard White Way
Fairfield, Connecticut

Job No. 381.2768.02.17 | D/B: TLD | DATE: 02/17

US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

TOXIC SUBSTANCES CONTROL ACT

NOTICE OF INSPECTION

1. INVESTIGATION IDENTIFICATION			3. FACILITY NAME
DATE	INSPECTION NO.	DAILY SEQ. NO.	Town of Fairfield Process PFW Construction Wastewater Treatment Facility
1/18/17	CT4153	01	
2. INSPECTOR'S ADDRESS			4. FACILITY ADDRESS
CTDEEP 79 Elm St. Hartford, CT			100 Richard White Way Fairfield, CT

For Internal EPA Use. Copies may be provided to recipient as acknowledgment of this notice.

REASON FOR INSPECTION

Under the authority of Section 11 of the Toxic Substances Control Act:

☒ For the purpose of inspecting (including taking samples, photographs, statements, and other inspection activities) an establishment, facility, or other premises in which chemical substances or mixtures, articles containing same are manufactured, processed, stored or held before or after their distribution in commerce (including records, files, papers, processes, controls, and facilities) and any conveyances being used to transport chemical substances, mixtures, or articles containing same in connection with their distribution in commerce (including records, files, papers, processes, controls, and facilities) bearing on whether the requirements of the Act are applicable to the chemical substances, mixtures, or articles within, or associated with, such premise or conveyance have been complied with.

☐ In addition, this inspection extends to (check appropriate blocks):

- ☐ A. Financial data
- ☐ B. Sales data
- ☐ C. Pricing data
- ☐ D. Personnel data
- ☐ E. Research data

The nature and extent of inspection of such data specified in A through E above is as follows:

PCB's

INSPECTOR'S SIGNATURE		RECIPIENT'S SIGNATURE	
NAME J Kwiatkowski		NAME Brian Carey	
TITLE EA	DATE SIGNED 1/18/17	TITLE Conservations Administration	DATE SIGNED 1/18/2016

US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT
TSCA INSPECTION CONFIDENTIALITY NOTICE

EPA

1. INVESTIGATION IDENTIFICATION			4. FACILITY NAME
DATE	INSPECTION NO.	DAILY SEQ. NO.	Town of Fairfield
1/18/17	04153	01	5. ADDRESS 1 Richard White Way Fairfield, CT
2. INSPECTOR'S NAME			6. NAME OF CHIEF EXECUTIVE OFFICER Michael Tetreau
3. INSPECTOR'S ADDRESS CTDEEP 79 Elm St. Hartford, CT			7. TITLE 1st Selectman

For internal EPA use. Copies may be provided to recipient as acknowledgment of this notice.

TO ASSERT A TSCA CONFIDENTIAL BUSINESS INFORMATION CLAIM

t is possible that EPA will receive public requests for release of the information obtained during the inspection of the facility cited above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 USC 552; EPA regulations issued thereunder, 40 CFR, Part 2; and the Toxic Substances Control Act TSCA), Section 14. EPA is required to make inspection data available in response to FOIA requests unless the EPA Administrator determines that the data is entitled to confidential treatment, or may be withheld from release under other exceptions of FOIA.

Any or all information collected by EPA during the inspection may be claimed as confidential if it relates to trade secrets, commercial, or financial matters that you consider to be confidential business information (CBI). If you assert a CBI claim, EPA will disclose the information only to the extent, and by means of the procedures set forth in the regulations (cited above) governing EPA's treatment of CBI. Among other things, the regulations require that EPA notify you in advance of publicly disclosing any information claimed as CBI.

A CBI claim may be asserted at any time prior to, during, or after the information is collected. This notice was developed by EPA to assist you in asserting a CBI claim. If it is more convenient for you to assert a CBI claim on your own stationary or by making the individual documents or samples "TSCA confidential business information," it is not necessary for you to use this notice. The inspector will be glad to answer any questions you may have regarding EPA's CBI procedures.

While you may claim any collected information or sample as CBI, such claims are not likely to be upheld if they are challenged unless the information meets the following criteria:

1. Your company has taken measures to protect the confidentiality of the information and it intends to continue to take such measures.
2. The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies), or by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).
3. The information is not publicly available elsewhere.
4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time, you may make claims that some or all of the information is CBI.

If you are not authorized by your company to assert a CBI claim, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials to the Chi Executive Officer of your company within 2 days of this date. The Chief Executive Officer must return a statement specifying any information which should receive CBI treatment.

The statement from the Chief Executive Officer should be addressed to:

and mailed by registered, return-receipt requested mail within 7 calendar days of receipt c this notice. Claims may be made at any time after the inspection, but the inspection data not be entered into the TSCA/CBI security system until an official confidentiality claim is made. The data will be handled under EPA's routine security system unless and until a c is made.

TO BE COMPLETED BY FACILITY OFFICIAL RECEIVING THIS NOTICE. acknowledge receipt of this notice:	If there is no one on the premise who is authorized to make CBI claims for th facility, a copy of this notice and other inspection materials will be sent to th company's Chief Executive Officer. If there is another official who should al receive this information, please designate below.
TURE	NAME
	TITLE
DATE SIGNED 1/18/2017	ADDRESS

US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

DECLARATION OF CONFIDENTIAL BUSINESS INFORMATION

1. INVESTIGATION IDENTIFICATION			2. COMPANY NAME
DATE	INSPECTION NO.	DAILY SEQ. NO.	Town of Fairfield
1/18/17	CT415	01	
3. INSPECTOR ADDRESS			4. COMPANY ADDRESS
CT DEEP 79 Elm St. Hartford, CT			1 Richard White Way Fairfield, CT

For internal EPA use. Copies of this form may be provided to receipient as acknowledgement of TSCA Confidential documents described below collected in connection with the administration and enforcement of the Toxic Substances Control Act.

INFORMATION DESIGNATED AS CONFIDENTIAL BUSINESS INFORMATION

NO.	DESCRIPTION

INSPECTOR SIGNATURE	CLAIMANT SIGNATURE
	Brian Carey
NAME J Kwiatkowski	NAME Brian Carey
TITLE EA	DATE SIGNED 1/18/17
TITLE Conservation Administration	DATE SIGNED 1/18/2016

US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

TOXIC SUBSTANCES CONTROL ACT

RECEIPT FOR SAMPLES AND DOCUMENTS

1. INVESTIGATION IDENTIFICATION			2. COMPANY NAME
DATE 1/18/17	INSPECTION NO. CT4153	DAILY SEQ. NO. 01	Town of Fairfield
3. INSPECTOR ADDRESS CT DEEP 79 Elm St. Hartford CT			4. COMPANY ADDRESS 1 Richard White Way Fairfield, CT

For internal EPA use. Copies of this form may be provided to recipient as acknowledgment of the documents and samples of chemical substances and/or mixtures described below collected in connection with the administration and enforcement of the Toxic Substances Control Act.

RECEIPT OF DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED:

NO.	DESCRIPTION
Doc. 01	Contract for operation for Julian RFP # 2013-73
Photos 01-06	Stockpile

OPTIONAL:

DUPLICATE OR SPLIT SAMPLES: REQUESTED AND PROVIDED ☐ NOT REQUESTED ☐

INSPECTOR SIGNATURE		CLAIMANT SIGNATURE	
[signature]		[signature]	
NAME Kevin Hlawski		NAME Brian Cary	
TITLE EA	DATE SIGNED 1/18/17	TITLE Conservation Admin	DATE SIGNED 1/18/2017

Connecticut Department of Energy and Environmental Protection
Multi-Media Checklist

Instructions: To be considered while conducting all field activities. For sites which have a "YES" answer, forward this form by e-mail to the appropriate contact.

Facility/site Name:		**Facility/site Contact:**	Brian Carey
Address:	1 Richard White Way, Fairfield, Ct.		
Telephone #:	203-256-3071	**Facility/site Type:**	Municipality DPW
Name of DEEP staff completing checklist:	JKwiatkowski	**Telephone #:**	x3330
Program/Division:	PCB	**Inspection Date:**	1/18/17

Observation Depending on the severity of the situation, you can either call the field contact or send an email. DEEP's e-mail for all staff is: **first name.lastname@ct.gov** **Have you observed any of the potential violations listed below? If so, please check "yes."**	**YES (✓)**	**Referred to & Date Referred**	**Comment**
Recycling (Western: Joseph Schiavone 424-3206 & Eastern: Kevin Barrett 424-3697)			
1. Business lacking an established recycling program to ensure separation of Designated (mandatory) Recyclable (DR) items and trash within the facility? Are there a lack of recycling bin(s) located throughout the facility where the recyclable materials are being generated? DRs include Corrugated Cardboard, Boxboard, Newspaper, Magazines, White & Colored Office Paper, Glass, Metal & Plastic (#1 and #2).	☐		
2. Business lacking more than one container at the "back of the building" to collect DR items separately from trash. Focus on containers EMPTIED by haulers (e.g., dumpsters, 96-gallon wheeled cart).	☐		
3. More than an incidental or inadvertent amount of clean DR items visible in the trash container (dumpster or wheeled cart).	☐		
Air Engineering & Enforcement (Mark Potash 424-3547)			
1. Black or white smoke emitted from industrial or large residential (apartment, condos, hotel) stacks. Note: Detached plume indicates water vapor, not smoke.	☐		
2. Significant dust plume emanating from crushing/screening or other processes, storage piles, or a construction site, that is crossing property line. Additionally, is there a drag-out onto a paved road?	☐		
3. Objectionable odors detected beyond property line.	☐		
Pesticides/FIFRA * (Diane Jorsey 424-3328)			
1. Pesticide spills or discharges to streets, storm sewers, watercourses.	☐		
2. Pesticide disposal sites (dumps, burial sites, containers adjacent to or in surface waters, containers in open fields or around commercial buildings).	☐		
3. Questionable pesticide storage areas (large volumes, storage of pesticide products near food or feed, broken or leaking containers).	☐		
Hazardous Waste/RCRA * (Western: Joseph Schiavone 424-3206 & Eastern: Kevin Barrett 424-3697)			
1. Containers/roll-offs/tanks with contents stored outdoors that are corroded or leaking or open or unlabeled.	☐		
2. Containers/tanks with contents lacking secondary containment or an impervious base.	☐		
3. Abandoned sites with waste containers/roll-offs/tanks.	☐		
Solid Waste * (Western: Joseph Schiavone 424-3206 & Eastern: Kevin Barrett 424-3697)			
1. Greater than 10 cubic yards of solid waste including municipal solid waste (MSW), bulky waste (BW), construction/demolition waste, or land clearing waste (stumps), and tires or any other waste dumped on the ground.	☐		
2. Containers of solid waste at abandoned sites greater than 10 cubic yards.	☐		
3. Excessive dust, litter, or other debris from a solid waste facility.	☐		
Terminal Management * (David Keating 424-4186)			
Leaks or spills around above ground storage tank or loading racks at petroleum terminals.	☐		

Insp Janet Kwiatkowski

STATE
TSCA PCB ICIS INSPECTION DATA ENTRY SHEET

Facility Name: Town of Fairfield DPW Construction Material Processing Facility
Street Address: 1 Richard White Way
City, State, Zip: Fairfield, CT 06824
County: Fairfield
Facility Previous Name if Applicable:
Facility Contact and Title: Brian Carey
Address if different: Town of Fairfield, 725 Old Post Rd., Fairfield, CT 06824

3. Applicably Law Sections: TSCA 6 Regulation of Hazardous Chemical Substances including PCBs
4. **Compliance Monitoring Category:** Comprehensive

5. **Compliance Activity Type**: Compliance Inspection/Evaluation

6. **Compliance Monitoring Activity Name:** PCB

7. **Date of Inspection (MM/DD/YY):** Planned_____ Actual 1/18/2017

8. **Compliance Monitoring Action Reason (check one)**
Core Program__ __ Agency Priority _ X___ Citizen Complaint ____ Random Inspection _ ___

Result of a Spill _ ___ For Cause ____

9. **Compliance Monitoring Agency Type:** STATE

10. **National Priority: N/A**

11. **Regional Priority: N/A**

12. **Date Reviewed:** 5/1/17

13. **Action Warranted:** N **(Y or N)**

J:icis-form-ST-1/9/08